

2019 CTE TECH PRODUCTS GUIDE

Current Transformer
Voltage Transformer
Test Equipment

With Global Vision





기술개발과 최고의 제품을 생명으로 여기는 기업.

지난 1996년 창립, 대한민국의 산업 발전과 함께해온 시티이텍은 세계적인 계기용 변성기(CT/VT) 전문 생산업체로서 지속적인 성장을 일궈내고 있습니다. 그동안 축적된 기술적 노하우를 바탕으로 계기용 변성기, 한전용 변압·변류기, 원자력용 변압·변류기, 표준형 변압·변류기, 시험용 기기류 등 최고의 제품을 생산하여, ISO 9001, KS C 1706, KS C 1707, KTP 등 각종 인증을 획득하고 고객의 신뢰를 바탕으로 고객에게 최고의 만족을 드리고 있습니다. 또한 시티이텍의 제품은 일반산업용은 물론, 고층빌딩, 아파트, 수력·화력·풍력·원자력 발전소, 산업용 플랜트, 반도체, 제철 및 사회 간접 자본 시설, 지하철 등 다양한 분야에 널리 사용되고 있습니다. 앞으로도 시티이텍은 국내는 물론 나아가 전세계의 고객과 함께 성장하는 기업, 또한 핵심기술과 최상의 품질, 일류경영으로 시대를 선도하는 기업이 될 것을 약속드립니다.

Incessant Technical development and Best Quality Products - Our Core Values

Since the establishment in 1996, CTE TECH CO., LTD. has been with the history of industrial development of Korea. We are fully satisfying our clients with best quality Voltage Transformer, Current Transformers, Standard Instrument Transformer and Testing & Measuring Equipment, out of accumulated rich technology and knowhow. We have gained reputations of high quality and reliability for our products, having best quality, acquired many certifications of ISO 9001, KS C 1706, KS C 1707, etc. And the products of CTE TECH CO., LTD. are widely used for general industry area, apartment, skyscraper, as well as in the field of hydraulic & thermoelectric power plants, wind power stations, nuclear power plants, semiconductor equipment, steel manufacture, infrastructure facilities, subway line system, etc. We, CTE TECH CO., LTD., promise that we will be the leading company growing with domestic as well as overseas customers by open and aboveboard management.

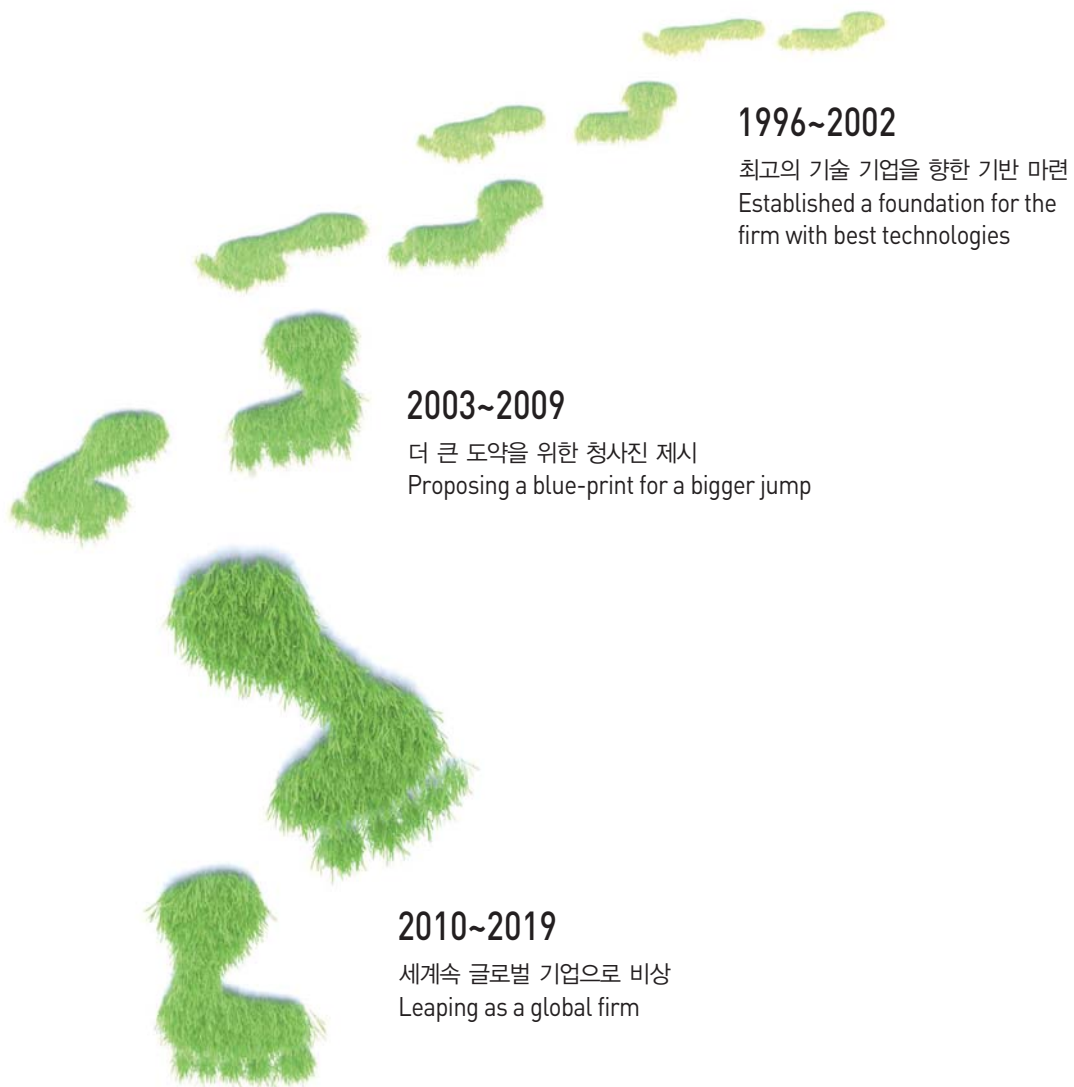
Thank You

대표이사 이성하

**아무도 가지 않던 미지의 길에 든든한 뗏목을 놓아온 시티이텍 !
내딛는 한 걸음 한 걸음이 곧 역사가 됩니다.**

시티이텍의 역사는 곧 새로운 기술 진화의 역사입니다. 설립 이래 한결같이 신기술 개발에 매진하여
고객의 기대치보다 한 단계 더 높은, 경쟁력 있는 제품을 생산하기 위해 끊임없이 노력해왔습니다.
시티이텍의 미래 역시 내딛는 한 걸음이 새로운 길을 여는, 무한한 도전과 개척의 역사가 될 것입니다.

With Frontier History



- 1996** • 씨티전기 창업
- 1997** • 표준용 CT/VT 개발 완료 (0.2급)
• 저압용 CT/VT 개발 완료(7500A 이하 5종)
- 1999** • 현대중공업 협력업체 등록
- 2000** • ISO 9001 품질인증 획득
• 한국전력 협력업체 등록
• 한국전력 전력량계용 CT 개발 완료
(1000A 이하 0.5W급 15VA 5종)
- 2001** • GIS 765kV용 B.C.T 개발 완료
(1T급 25VA 고속도계전기용)
• SF₆ Gas 봉입형 VT 개발 완료
- 2002** • 씨티전기에서 ㈜씨티이텍으로 법인 전환
- 2003** • 본사/공장 신축, 이전(서울시 성동구 성수동1가 10-4)
• 실용신안등록 (분할형 변류기)
• 부품소재 전문기업 확인(산업자원부)
- 2004** • 한국산업규격 KS 표시인증 획득
• 유망중소기업 선정(중소기업 진흥공단)
• 공인인증시험 면제증 획득
• 계기용 변류기 의장등록
• 품질 우수업체 인증 (현대중공업)
- 2005** • ISO 14001 환경인증 획득
• 분할형 변류기 디자인등록
• 계기용 변성기용 부담특성평가시스템 개발 완료
- 2006** • 초정밀급 표준용 CT/VT 개발 완료(0.005급)
- 2007** • 기업부설연구소 설립
• 전압변성기용 부담특성 평가방법 특허등록
• 분할형 변류기(센서) 디자인등록
- 2008** • KEPIC 원자력 1E CLASS 품질인증 획득
• 공장이전 (경기도 광주시 오포읍 문형리 652)
• 몰드형 MOF 개발 완료
• 여자전압/전류 특성시험기 개발 완료
- 2009** • 이노비즈/벤처기업 인증
- 2010** • 대통령표창 수상
• 전압변성기 비교측정장치의 비오차
선형성 측정장치 특허등록
• 전류변성기 비오차 측정장치의 보정방법 특허등록
• 25.8kV 이하 CT/VT 전종목 개발 완료
- 2011** • 전류변성기 비오차 비교기의 비오차 정확도
평가장치 특허등록
• 비오차 측정장치의 정확도 평가장치 특허등록
- 2012** • 신공장 신축(경기도 광주시 오포읍 문형동1길 32-26)
- 2013** • 한국산업규격 KS C 1707 표시인증 획득
• 유입식 MOF 개발 완료
- 2014** • 한국제품 인증기구 V-Check Mark 안전인증 획득
- 2015** • Metal Clad VT 개발
- 2016** • 스마트형 저압 3상 일체형 전력수급용 계기용
변류기 개발
• 한전 수출촉진 인증 KTP 획득
- 2017** • 백만불 수출탑 수상
• AMI용 통신자재 DCU Probe Unit 개발 완료
- 2018** • C-GIS용 V.T 개발 완료
- 1996** • The company founded, began production and sales of CT/VT
- 1997** • Development of Standard CT/VT(0.2%)
• Development of Low Voltage CT/VT (under 7500A, 5Types)
- 1999** • Supply agreement with Hyundai Heavy Industries
- 2000** • Acquired ISO 9001 certification
• Supply agreement with KEPCO
• Development of CT for KEPCO
(under 1000A, 0.5%, 15VA, 5Types)
- 2001** • Development of BCT for GIS 765KV
• Development of VT mounted SF₆ Gas
- 2002** • Incorporation of going business (CTE TECH Co., Ltd.)
- 2003** • New Head office in Sungsu-Dong was completed
• Registration of utility model for Split CT
• Designated as a specialized parts and materials company
- 2004** • Acquired of KS mark
• Designated as a Prospective Small Business
• Exception of government test
• Registration of design for CT
• Designated as the Best Quality Enterprise by Hyundai
- 2005** • Acquired ISO 14001 environmental certification
• Registration of design for Split CT
• Development of Burden Evaluation System
- 2006** • Development of Precise CT/VT (0.005%)
- 2007** • Established CTE TECH R&D center
• Patent Registration for Evaluation method
for burden characteristics
• Registration of design for Split CT(sensor)
- 2008** • Acquired nuclear 1E CLASS certification by KEPIC
• New office and plant in Gwangju,
Gyeonggi-do was completed
• Development of MOF(moldtype)
• Development of CT Excitation test system
- 2009** • Designated Inno-Biz/Venture company
- 2010** • Receive presidential citation
• Patent Registration for Ratio error linearity measurement
of the VT comparator
• Patent Registration for Wide ratio errors and correction
method of the CT ratio error comparator
• Development of High Voltage CT/VT (under 25.8kV)
- 2011** • Patent Registration for Ratio error evaluation device of
a CT ratio error comparator
• Patent Registration for Evaluation device of PT ratio
error measuring device
- 2012** • New plant in Gwangju, Gyeonggi-do was completed
- 2013** • Acquired KS C 1707 mark.
• Development of MOF(Oil type)
- 2014** • Acquired V-Check Mark by KAS
- 2015** • Development of Metal Clad VT
- 2016** • Development of low voltage Integrated three-phase
CT for measuring electricity
• Acquired KEPCO Trusted Partner(KTP)
- 2017** • Winning 1 million dollars of exports Award
• The telecommunication apparatus development of
DCU Probe Unit, for AMI
- 2018** • Completed the Type test of V.T for C-GIS

With Powerful Technology

R&D 역량이 곧 기업의 생존력이자 자존심!
독자적인 기술력으로 승부하여, 세계적으로 인정받고자 합니다.

세계 최고의 제품만을 생산하는 시티이텍 기술력은 과감하고 끊임없는 R&D투자의 결실이라고 할 수 있습니다.

그 결실로 국내 최고의 자리에 오른 시티이텍은 자부심과 책임감을 갖고 관련 업계에 임하고 있습니다.

시티이텍은 세계 경쟁력을 갖추기 위하여 국내외 표준 인증(CE, ISO 등)을 갖추고 있으며, 엄격한 품질관리를 통하여 세계 어디에 사용하더라도 모두가 시티이텍의 품질성을 인정받게 하겠습니다.

미래 발전을 위한 시티이텍의 행보는 아낌없고 끊임없는 투자를 기초로 하여 인재양성, 신기술개발 도전, 고객가치, 사회 공헌에 이바지하고자 합니다.



KS C 1706,1707



Certification ISO 9001,14001



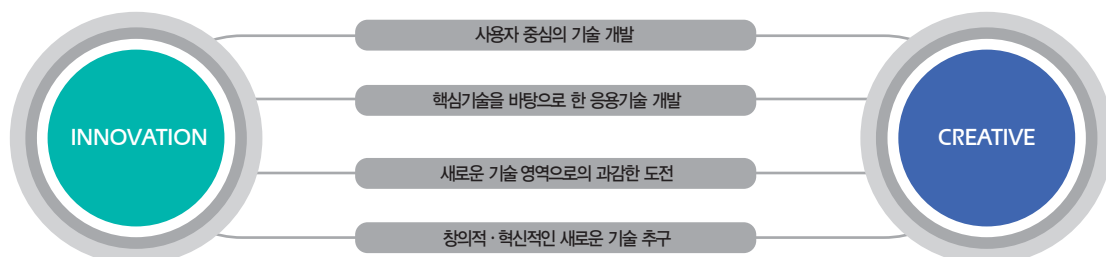
Conformite European



1-E Class Certi



www.kepco.co.kr/trustedpartner
No. 2016-KTP-010

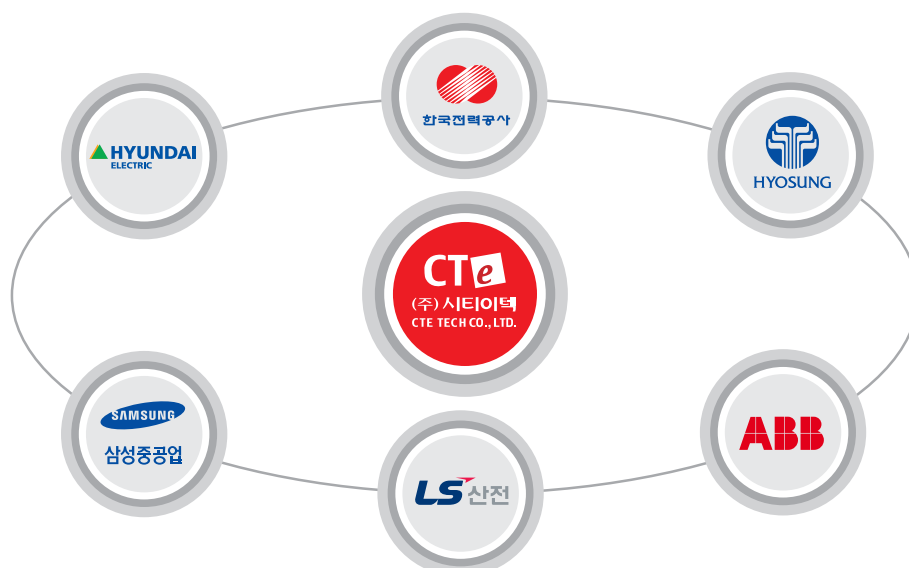




혁신적인 기술개발을 위해 언제나 고객과 함께 소통하며, 끊임없는 연구로 한발 앞선 기술력을 선보이는 (주)시티이텍, 국내를 넘어 세계적으로 인정받고 있습니다.

국내 · 외 발전소 및 대규모 플랜트, 그리고 일반 사용자까지 안정적인 전력 공급과 보호 제어를 위한 “계기용 변성기와 시험장비류”를 생산하고 있는 시티이텍은 시스템 성능과 안전, 친환경 요건에 맞는 최적의 솔루션을 제공하고 있습니다.

또한, 시티이텍만의 차별화 된 전문가적 역량으로 고객의 요구에 부합하는 최적의 성능과 상태를 유지하기 위하여 국내 · 외 차별 없는 고객관리 시스템을 운영중입니다.



Instruction Manual

변성기를 장기간에 걸쳐 사용하기 위하여 다음사항을 필수적으로 준수하여 주십시오.



사용환경 및 조건에 관한 사항

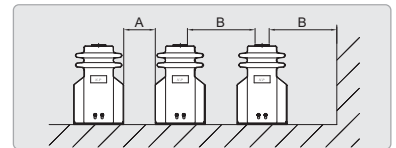
- 주위온도 : $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (일일 평균주위온도가 35°C 를 초과하지 않는 장소)
 - 표고 : 1000m 이하
 - 해풍, 습기, 빙설 및 직사광선 등이 없는 장소
 - 과도한 수증기, 유증기, 폭발성 Gas, 가연성 Gas, 기타 유해성 Gas의 발생이 없는 장소
 - 과도한 먼지, 이물질이 없는 장소
 - 과도한 진동 충격을 받지 않는 장소
 - 고조파가 많이 함유되지 않는 회로
 - 쥐, 뱀 등의 작은 동물의 침입이 없는 장소
- ※ (주)시티이텍의 계기용변성기는 상기의 조건으로 사용하는 것이 적절합니다.

사용방법

- 사용 전 점검사항 : 사용 전에 다음사항을 준수하며, 이상이 있을 때에는 (주)시티이텍으로 연락하여 주십시오.
 - 계기용 변성기가 파손되는 큰 이유로는 운반 시 부주의가 있습니다. 운반 시에 발생하는 진동, 충격을 받지 않도록 하십시오.
 - 도착 직후에 필수적으로 다음을 점검하여 이상이 없음을 확인하여 주십시오.
 - 포장을 포함, 수송 중의 취급 또는 사고에 따른 손상의 유무.
 - 몰드형일 경우 변형, 파손, 손상의 유무.
 - 사용 전에 요구한 정격(변성비, 정격부담 등)을 확인하여 주십시오.
- 취부에 관한사항 : 취부는 다음사항을 준수하여 주십시오.
 - 안전을 위하여 취부공사는 전기공사 등의 기술을 가진 사람이 행하여 주십시오.
 - 빗물, 기름, 기타 먼지, 분진 등이 직접 받지 않도록 하여 주십시오.
 - Cable, Bus-bar 등은 제품에 직접 하중을 가하지 않게 설치하십시오.
 - CT 및 VT의 설치 시 아래 그림과 같이 권장되는 제품의 설치 이격 거리를 유지하는 것이 바람직 합니다.

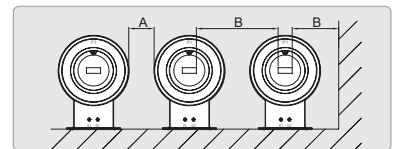
CT

최고회로 전압	HV to Ground in Air(B)	Unit to Unit(A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	40mm
25.8kV	210mm	50mm



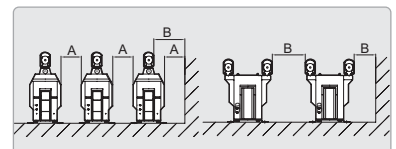
Busbar 관통형 CT

최고회로 전압	HV to Ground in Air(B)	Unit to Unit(A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	40mm
25.8kV	210mm	50mm



VT

최고회로 전압	HV to Ground in Air(B)	Unit to Unit(A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	32mm
25.8kV	210mm	40mm





■ 접속에 관한 사항

- 활성상태에서 접속작업은 절대 하지 마십시오. 감전, 기기고장, 소손 및 화재의 원인이 됩니다.
- 1차 연결선이나 Bus-bar 등 접속 단자부분은 몰드표면에서 충분한 간격을 유지하여 코로나 등이 발생하지 않도록 주의하여 설치하십시오.
- 6.9kV 이상의 CT 중 Bus-bar 관통형인 제품에는 "C" 단자(접지단자)가 설치되어 있습니다.
이 단자는 1차 도체가 나도체인 경우 1차 도체와 CT 몰드 표면 사이에서 발생할 수 있는 코로나 등의 발생을 방지하기 위하여 1차 도체와 연결하여 사용하십시오.
※ 단, 1차 도체가 케이블이나 완전히 절연된 상태에서는 "C" 단자와 연결할 필요가 없음
- 2차 리드선은 몰드표면에 닿지 않도록 주의하여 단자에 연결하십시오.
- CT 2차 개방(오픈)의 금지 : CT 2차측은 1차 전류가 흐르는 상태에서 개로하지 마십시오. CT 2차측이 개로되었어도 1차 전류는 흐르나, 2차 전류는 흐르지 않기 때문에 2차 측에 고전압이 유기되고 온도가 상승합니다. 이 때문에 2차권선의 절연파괴로 소손사고가 발생할 수 있습니다.
- VT 2차 단락의 금지 : VT 2차측을 단락 또는 저 임피던스로 단락되지 않게 하십시오. VT 2차측이 단락 또는 저 임피던스로 단락되면 권선에 과전류가 흘러 2차 권선이 열화 소손되며, 1차권선의 절연파괴로 상간 단락이 발생할 수 있습니다.
- 인버터 회로 2차측에서의 VT사용금지 : 인버터회로의 2차측의 전압파형은 주로 구형파이기 때문에 VT의 2차 출력파형은 펄스 형태의 파형이 되어 정확한 전압의 출력이 안 되며 철심의 자기포화에 따라 소손사고에 도달할 가능성이 있습니다.
- 오 접속의 방지 : 단자기호에 주의하여 접속하십시오. 오 접속은 오 계량과 동시에 위험을 초래할 수 있으므로 절대적으로 피하지 않으면 안됩니다. 전력량계 및 전력계 등 역률에 관계된 제품은 극성도 충분히 주의하여 접속하십시오.
- 접지 : VT, CT의 2차측, 프레임, 외함은 필수적으로 접지하여 주십시오. 1차측과의 혼선에 따른 인축의 위험방지, 계기의 보호 때문에 접지하는 것으로 전기설비 기술기준에 규정되어 있으며, 특히 접지형 계기용변성기는 1차 접지측 단자를 확실히 접지 시키십시오.
- 단자의 접속 : 단자에 전선을 확실히 체결하여 주십시오. 과열, 계측오차, 기기의 소손 및 화재의 원인이 될 수 있습니다.

■ 영상변류기(ZCT) 사용 시 주의사항

- 1차 도체 관통 시 자기평형이 이루어지도록 배치하십시오. 자기평형이 이루어지지 않으면 자기 불평형으로 1차 도체 전류에 의한 2차에 출력이 나와 오동작이 원인이 됩니다.
- ZCT 주위에 다른 선로가 지나가지 않도록 주의 하십시오. 다른 선로의 자계가 ZCT에 유도되어 2차에 출력이 나와 오동작이 원인이 됩니다.
- 2차의 연결도선은 실드선을 사용하십시오. 연결선에 유도나 노이즈의 침입으로 오동작의 원인이 됩니다.
- 특히 부스바용(사각형) ZCT는 그 구조상 자기평형이 어려우므로 가능한 자기평형이 이루어 지도록 1차 도체의 배치를 고려하시기 바랍니다. 이것이 어려울 때는 도체전류에 의해 자기 불평형에 의한 출력 분을 감안하여 사용하십시오.

보수점검

변성기 자체의 사고는 전력의 공급 및 생산 장애를 초래하므로 보수, 점검을 확실히 실시하여 사고를 미연에 방지할 필요가 있습니다. 보수, 점검은 다음 사항을 준수하며, 또한 안전을 위해 전기기술자등의 전문기술을 가진 사람이 행하여 주십시오.

- 계기용 변성기는 1개월에 한번씩 점검하십시오. 또한 소음, 과열, 부식 및 먼지가 없도록 주의하시고 기기표면과 단자부분에 열변형 라벨을 부착하면 좋습니다.
- 1년에 한번 운전을 중지하고 마른 헝겊으로 깨끗이 닦아야 하며 이때 외관, 철심, 볼트, 너트의 이완여부를 점검 하십시오.

교체 권장시기

변성기의 교체 권장 시기는 일상점검과 정기점검을 실시하는 조건으로 15년을 권장합니다.

Instruction Manual

To Use Transformers Safe And Long, Please Comply with Following Instructions

Environmental And Operating Conditions

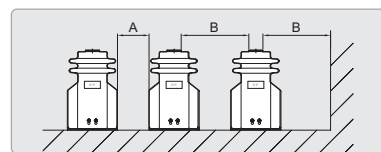
- $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 122^{\circ}\text{F}$)
 - Altitude 1,000m(3,300ft) or below
 - the place which is not exposed to sea wind, rain, moisture, ice & snow and sunlight.
 - the place which harmful, explosive, flammable, hazardous gases are not exist
 - the place which is protected from too much dust and foreign material.
 - the place which is protected from excessive vibration and impact.
 - circuits should not have Harmonics.
 - the place which is secured against the intrusion of small animals(rat, snake, etc.).
- ※ The Instrument Transformers of CTE TECH CO., LTD. shall be operated in accordance with following conditions.

Installation Guide

- **Installation guide:** Check before use After confirming following check list, if there is any problem, please contact CTE TECH Co., LTD.
 - Make it sure that the product is not affected by vibration and/or impact when it is moved. The careless handling in transportation is No. 1 cause to the critical damage to transformers.
 - On receipt of the transformers, inspect below carefully.
 - whether there is any damage to the transformers including any change in the completeness of the package.
 - In case of mold type products, need to inspect carefully physical damage to it, including deformation of it, etc.
 - Before use, carefully check the rated burden, ratio and etc.
- **Installation:** Please, carefully comply with below instructions.
 - The electric engineer should install the product for safety.
 - Should be kept from any harmful contamination such as rain, oil, dust, etc.
 - Cable and busbar should be installed with the method that could not inflict any load directly on the transformers.
 - When it is installed, the distance as shown in the following picture should be kept.

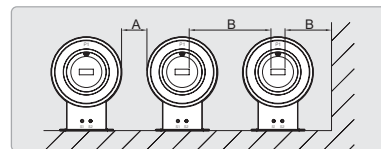
CT

Highest Voltage	HV to Ground in Air(B)	Unit to Unit (A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	40mm
25.8kV	210mm	50mm



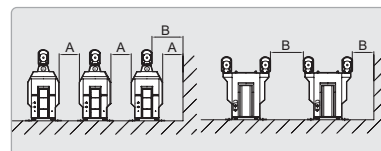
Busbar(Cable) Through CT

Highest Voltage	HV to Ground in Air(B)	Unit to Unit (A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	40mm
25.8kV	210mm	50mm



VT

Highest Voltage	HV to Ground in Air(B)	Unit to Unit (A)
3.45kV	75mm	20mm
7.2kV	110mm	25mm
12kV	165mm	32mm
25.8kV	210mm	40mm





■ Connection

- When the line is live, do not work any kind of wiring, it could cause electric shock, damage to product, fire, etc.
 - To prevent any Corona or Partial discharge, connection terminals for primary wiring and Bus-bar should maintain enough distance from the surface of mold.
 - Bus-bar through type CT's (more than 6.9kV) have "C" terminal. In case that the primary conductor is not insulated, please connect the "C" terminal to the primary conductor, to prevent the Corona which could occur between primary conductor and the surface of the CT mold.
- ※ If primary conductor is cable or full insulating status. "C" terminal connection is unnecessary
- When secondary lead wires are connected to the terminals, Please pay attention to the fact that the wires shall not be close to the surface of mold.
 - Do not open the secondary terminals of CT : In case that the primary of CT is live, do not open the secondary terminals of CT. As there is current in the primary windings of CT, even when the secondary terminals of CT is open, high voltage will be generated in the secondary winding of the CT, and the temperature will rise. This will result in the damage to the insulation and CT.
 - Do not short circuit of secondary side of VT : Please don't short circuit and don't do low impedance connection of the secondary side of VT. In case of short circuit or low impedance connection of the VT secondary side, over current would occur in the secondary windings and could lead to the fatal damage to the VT.
 - Do not use VT in the secondary side of inverter circuit : the secondary side voltage wave of inverter circuit is square wave, the secondary side output wave becomes pulse type wave. There is a possibility it could result in the critical damage to the VT
 - Prevention of wrong wire connection : When you do the wire connecting, please pay keen attention to the terminal markings (symbols).
If connection mistake occurs, it will result in wrong data value in measurement and can be very dangerous at the same time. Especially in case of power factor related products, such as watt-hour meter and watt meter, you should pay keen attention to the polarity in connection .
 - Earthing : It is vital to earth the secondary side, frame and outer mold of the CT to prevent danger and protect the instrument. This is regulated by the electric technology standard. Especially the primary side terminal for earthing of earthed type instrument transformers should surely be earthed.
 - Terminal connection : The wires should surely be connected to the terminals. It could be a cause of overheating, inaccurate measurement, damage to the product and fire.

■ Guidelines for zero phase CT(ZCT)

- It should be arranged to maintain the magnetic balance. If the magnetic balance is not maintained, it could be a cause of malfunction.
- Any other busbar or cable should not be near the ZCT. the magnetic field of the other line is inducted to the secondary side of the ZCT and it could be a cause of malfunction.
- The wire which is connected to the secondary terminal should be that of shielding wire. If it is not shielding wire, it could be a cause of malfunction by induction or noise.
- In case of the magnetic balance of ZCT for busbar (square-shaped), you should consider the arrangement of first conductors. In case that this is impossible, take the output by the magnetic imbalance into consideration.

Repairing & Checking

The defect of current transformer itself can give rise to the result in the electric power supply and production. To prevent this in advance, repairing and checking are essential. When you repair and check, instructions below should be followed with care. And the repairing and checking should be done by the person who has professional knowledge.

- Instrument transformers should be checked once a month. When you check, pay attention to noise, overheat, corrosion and dust. You had better attach the thermo labels to the surface and terminals of the transformers.
- Once a year, the use of the transformers should be stopped for repairing and checking. Clean the transformers with dried rag.
The external appearance, iron core and looseness of bolts and nuts should be checked with intense care.

Replacement

Instrument Transformer should be considered to be replaced about 15 years after Installation, if only user do check all the checklist.

With Best Product Line

다양한 분야의 안정적인 전력공급과 보호제어에 필요한 제품을 만드는 기술
최상의 솔루션으로 고객에게 더 큰 가치를 제공합니다.





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International Standards Comparison Table

VT(Voltage Transformer)

KS C 1706 (1982)								IEC 61869-3 (2011)				
Accuracy Class		Rated Burden(VA)						Accuracy Class		Rated Burden(VA)		
0.1	10	15	25	–	–	–	–	0.1	10, 25, 50, 100VA			
0.2	10	15	25	–	–	–	–	0.2				
								0.5				
0.5	–	15	–	50	100	200	–	1.0				
1.0	–	15	–	50	100	200	500	3.0				
3.0	–	15	–	50	100	200	500	3P	10, 25, 50, 100VA			
								6P				
Highest Voltage (kV)		Nominal Voltage(kV)		Test Voltage(Nameplate Markings, kV)				Highest Voltage (kV)		Insulation levels(Nameplate Markings, kV)		
0.23		0.2		2/–				0.72		0.72/3/ –		
0.46		0.4		3/–				1.2		1.2/6/ –		
1.15		1.1		4/–				3.6		3.6/10/40(20)		
3.45		3.3		16(10)/45(30) [3A, 3B]				7.2		7.2/20/60(40)		
7.2		6.6		22(16)/60(45) [6A, 6B]				12		12/28/75(60)		
11.5		11		28/95(75) [10A, 10B]				17.5		17.5/38/95(75)		
13.8		13.2		39/115 [15A]				24		24/50/125(95)		
17.25		16.5		39/100 [15B]				36		36/70/170(145)		
25.8		22		50/150(125) [20A, 20B]				52		52/95/250		
34.5		33		70/200(170) [30A, 30B]				72.5		72.5/140/325		
72.5		66		160/350 [60]				100		100/185/450		
80.5		77		160/400 [70]				123		123/230(185)/550(450)		
Primary Terminal Markings		Secondary Terminal Markings		Tertiary Terminal Markings				Primary Terminal Markings		Secondary Terminal Markings		Tertiary Terminal Markings
U–V 1U–1V 2U–2V		u–v u1,u2–v 1u–1v / 2u–2v		–				A–B(N)		a–b(n), a1,a2–b(n) 1a–1b(n), 2a–2b(n) 1a1,1a2, 1b		da–dn
U, V, W, O		u, v, w, o						A,B,C,N		a, b, c, n		

IEEE C 57.13 (2016)						JEC 1201 (2007)					
Accuracy Class	Designation	Standard Burden(VA)				Accuracy Class	Rated Burden(VA)				
0.3 0.6 1.2	W	12.5				1P	Secondary Burden 50, 100, 200, 500VA				
	X	25				3P					
	M	35				3G					
	Y	75				1T	Tertiary Burden 25, 50, 100, 200VA				
	Z	200				3G					
	ZZ	400				5G					
Maximum Voltage (kV)	Nominal Voltage(kV)	Insulation levels(Nameplate Markings, kV)				Highest System Voltage (kV)	Nominal Voltage(kV)	Test Voltage (Nameplate Markings, kV)			
0.6	0.6	4/10				0.23	0.2	2/–			
1.2	1.2	10/30				0.46	0.4	3/–			
2.75	2.40	15/45				1.15	1.1	4/–			
5.60	5.00	19/60				3.45	3.3	16(10)/45(30)			
9.52	8.70	26/75				6.9	6.6	22(16)/60(45)			
15.50	15.00	34/110(95)				11.5	11	28/90 (75)			
25.50	25.00	50(40)/150(125)				13.8	13.2	39/115 (100)			
36.50	34.50	70/200				17.25	16.5	39/115 (100)			
48.30	46.00	95/250				23	22	50/150 (125,100)			
72.50	69.00	140/350				34.5	33	70/200 (170,150)			
123.00	115.00	185(230)/550(450)				69	66	140/350			
145.00	138.00	275/650				80.5	77	160/400			
Primary Terminal Markings	Secondary Terminal Markings	Tertiary Terminal Markings				Primary Terminal Markings	Secondary Terminal Markings	Tertiary Terminal Markings			
H1–H2	X1–X2 / X,X2X3 X1~X5 / Y1,Y2,Y3 X1, Y1, Z1	–				U–V / 1U–1V 2U–2V	u–v / u1,u2–v 1u–1v / 2u–2v	a–b			
						U, V, W, O	u,v,w,o	a,b,c,f			



International Standards Comparison Table

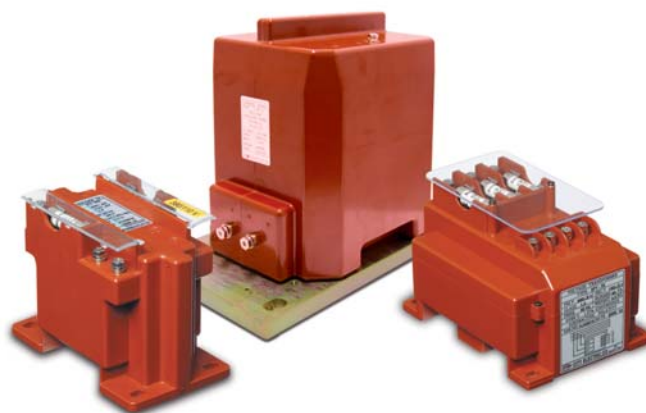
CT(Current Transformer)

KS C 1706 (1982)								IEC 61869-2 (2012)					
Accuracy Class	Rated Burden(VA)							Accuracy Class	Rated Burden(VA)				
	0.1	2.5	5	–	15	25	–	–	0.1	2.5, 5, 10, 15, 30VA (Above 30VA may be selected)			
0.2(S)													
0.5(S)													
1.0													
3.0													
0.2	2.5	5	–	15	25	–	–	5.0	2.5, 5, 10, 15, 30VA (Above 30VA may be selected)				
0.5	–	–	–	15	25	40	100	5P(R)					
1.0	–	5	10	15	25	40	100	10P(R)					
3.0	–	5	10	15	25	40	100						
Highest Voltage(kV)	Nominal Voltage(kV)		Test Voltage (Nameplate Markings, kV)					Highest Voltage(kV)	Insulation Levels (Rating Plate Markings, kV)				
0.23	0.2		2/–					0.72	0.72/3/ –				
0.46	0.4		3/–					1.2	1.2/6/ –				
1.15	1.1		4/–					3.6	3.6/10/40(20)				
3.45	3.3		16(10)/45(30) [3A, 3B]					7.2	7.2/20/60(40)				
7.2	6.6		22(16)/60(45) [6A, 6B]					12	12/28/75(60)				
11.5	11		28/95(75) [10A, 10B]					17.5	17.5/38/95(75)				
13.8	13.2		39/115 [15A]					24	24/50/125(95)				
17.25	16.5		39/100 [15B]					36	36/70/170(145)				
25.8	22		50/150(125) [20A, 20B]					52	52/95/250				
34.5	33		70/200(170) [30A, 30B]					72.5	72.5/140/325				
72.5	66		160/350 [60]					100	100/185/450				
80.5	77		160/400 [70]					123	123/230/550				
Primary Terminal Markings		Secondary Terminal Markings			Tertiary Terminal Markings			Primary Terminal Markings		Secondary Terminal Markings		Tertiary Terminal Markings	
K–L		k–l			–			P1–P2		S1–S2		–	
		k1, k2–l						P1–C2		S1, S2–S3			
1K–1L, 2K–2L		1k–1l, 2k–2l						C1–P2		1S1–1S2, 2S1–2S2			

IEEE C 57.13 (2016)					JEC 1201 (2007)								
Accuracy Class	Designation		Standard Burden(VA at 5A)		Accuracy Class	Rated Burden(VA)							
0.3 0.6 1.2	B–0.1		2.5		1P	5, 10, 15, 25, 40, 60, 100							
	B–0.2		5.0		3P								
	B–0.5		12.5		3G	Below 800A (Rated Primary Current)	5	10	–	–	–	(Rated Secondary Burden)	
	B–0.9		22.5		5G		–	10	15	25	40		
	B–1.8		45		5G	More than 1000A (Rated Primary Current)	5	10	15	25	–		
C T X	B–1 (C100, T100)		25		10G		–	10	15	25	40		
	B–2 (C200, T200)		50			3.5PS	5, 10, 15, 25, 40, 60, 100						
	B–4 (C400, T400)		100		5, 10, 15, 25, 40, 60, 100								
	B–8 (C800, T800)		200		PL		5, 10, 15, 25, 40, 60, 100						
Maximum Voltage(kV)	Nominal Voltage(kV)	Insulation levels (Nameplate Markings, kV)		Highest System Voltage(kV)	Nominal Voltage(kV)	Test Voltage (Nameplate Markings, kV)							
0.66	0.6	4/10		0.23	0.22	2/–							
1.2	1.2	10/30		0.46	0.44	3/–							
2.75	2.40	15/45		1.15	1.1	4/–							
5.60	5.00	19/60		3.45	3.3	16(10)/45(30)							
9.52	8.70	26/75		6.9	6.6	22(16)/60(45)							
15.50	15.00	34/110(95)		11.5	11	28/90 (75)							
25.50	25.00	50(40)/150(125)		13.8	13.2	39/115 (100)							
36.50	34.50	70/200		17.25	16.5	39/115 (100)							
48.30	46.00	95/250		23	22	50/150 (125,100)							
72.50	69.00	140/350		34.5	33	70/200 (170,150)							
123.00	115.00	185(230)/550(450)		69	66	140/350							
145.00	138.00	275/650		80.5	77	160/400							
Primary Terminal Markings		Secondary Terminal Markings		Tertiary Terminal Markings		Primary Terminal Markings		Secondary Terminal Markings			Tertiary Terminal Markings		
H1–H2 H1, H2, H3		X1 – X2 X1, X2, X3 X1 ~ X5 Y1, Y2, Y3		–		K–L		k–ℓ			g–h		
								k1, k2–ℓ					
						1K–1L, 2K–2L		1k–1ℓ , 2k–2ℓ					



Low Voltage Voltage Transformer



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Cert



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No. 2010-KTP-010

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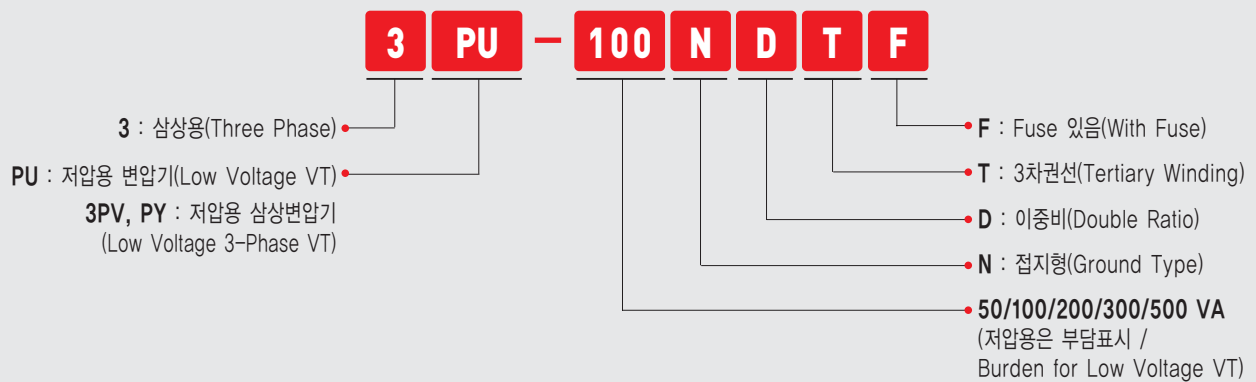


저압 계기용 변압기

LV Voltage Transformer



■ 제품분류 인식표 / Index





저압 계기용 변압기

LV Voltage Transformer

A

LV VT



PU-xx

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

특징 / Feature

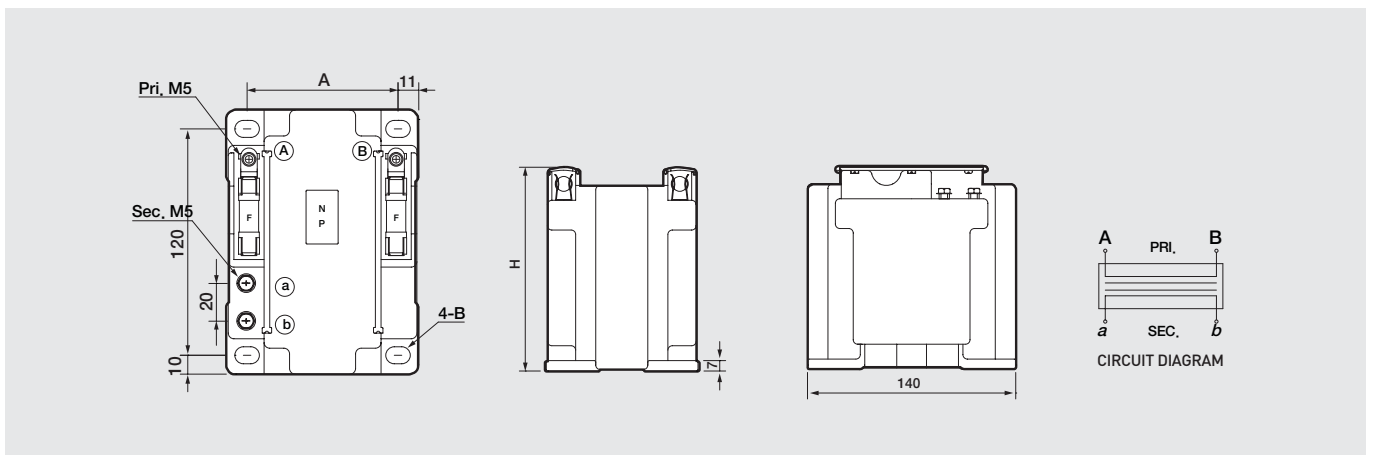
- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type(Case : ABS)

사양 / Specification

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension (mm)		
							A	B	H
PU - 50	220V~880V	110V~220V	60Hz	1.0	50 VA	≒ 2.9	60	7x11	109
PU - 100	220V~880V	110V~220V		1.0	100 VA	≒ 3.3	70	7x11	109
PU - 200	220V~880V	110V~220V		1.0	200 VA	≒ 5.7	70	9x13	137
PU - 300	220V~880V	110V~220V		1.0	300 VA	≒ 6.7	80	9x13	137
PU - 500	220V~880V	110V~220V		3.0	500 VA	≒ 7.5	90	9x13	137
PU - 55	220V~880V	110V~220V	50Hz	1.0	50 VA	≒ 2.9	60	7x11	109
PU - 105	220V~880V	110V~220V		1.0	100 VA	≒ 3.3	70	7x11	109
PU - 205	220V~880V	110V~220V		1.0	200 VA	≒ 5.7	70	9x13	137
PU - 305	220V~880V	110V~220V		1.0	300 VA	≒ 6.7	80	9x13	137
PU - 505	220V~880V	110V~220V		3.0	500 VA	≒ 7.5	90	9x13	137

※ 상기 전압비는 표준형이며 이외 전압비도 주문가능함. ※ Other specification is available depend on customers request

외형치수 / Dimension





저압 계기용 변압기(접지형)

LV Earthed Voltage Transformer



PU-xxN

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type(Case : ABS)

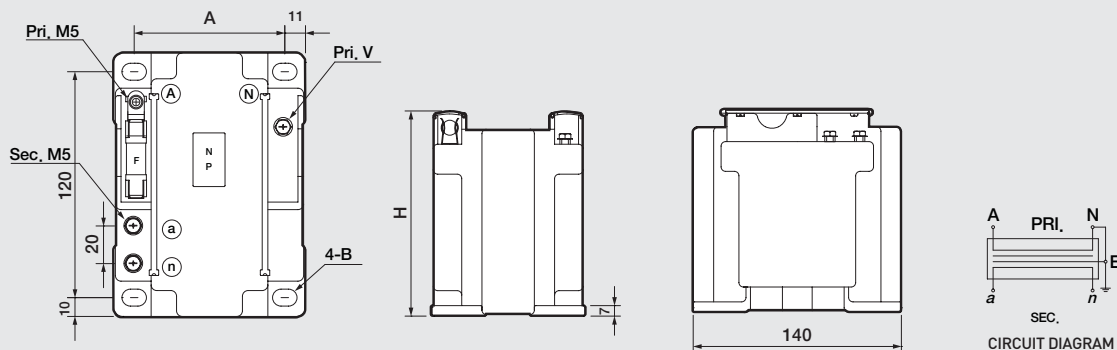
사양 / Specification

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension (mm)		
							A	B	H
PU - 50N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V	60Hz	1.0	50 VA	≒ 3.3	70	7x11	109
PU - 100N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		1.0	100 VA	≒ 4.0	80	7x11	109
PU - 200N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		1.0	200 VA	≒ 6.7	80	9x13	137
PU - 500N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		1.0	300 VA	≒ 7.5	90	9x13	137
PU - 500N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		3.0	500 VA	≒ 7.5	90	9x13	137
PU - 55N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V	50Hz	1.0	50 VA	≒ 4.0	80	7x11	109
PU - 105N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		1.0	100 VA	≒ 5.7	70	9x13	137
PU - 205N	380/ $\sqrt{3}$ V	190/ $\sqrt{3}$ V		1.0	200 VA	≒ 7.5	90	9x13	137

※상기 전압비는 표준형이며 이외 전압비도 주문가능함.

※ Other specification is available depend on customers request

외형치수 / Dimension





PU-xxNT

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type(Case : ABS)

■ 사양 / Specification (1.9Vn/30sec)

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	3차 전압 Ter. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension (mm)		
								A	B	H
PU - 50NT	380/√3V	110/√3V	190/3V	60Hz	1.0 / 3P	50/100 VA	≒ 4.0	80	7x11	109
PU - 100NT	380/√3V	110/√3V	190/3V		1.0 / 3P	100/200 VA	≒ 5.7	70	9x13	137
PU - 200NT	380/√3V	110/√3V	190/3V		1.0 / 3P	200/300 VA	≒ 7.5	90	9x13	137
PU - 55NT	380/√3V	110/√3V	190/3V	50Hz	1.0 / 3P	50/100 VA	≒ 5.7	70	9x13	137
PU - 105NT	380/√3V	110/√3V	190/3V		1.0 / 3P	100/200 VA	≒ 6.7	80	9x13	137

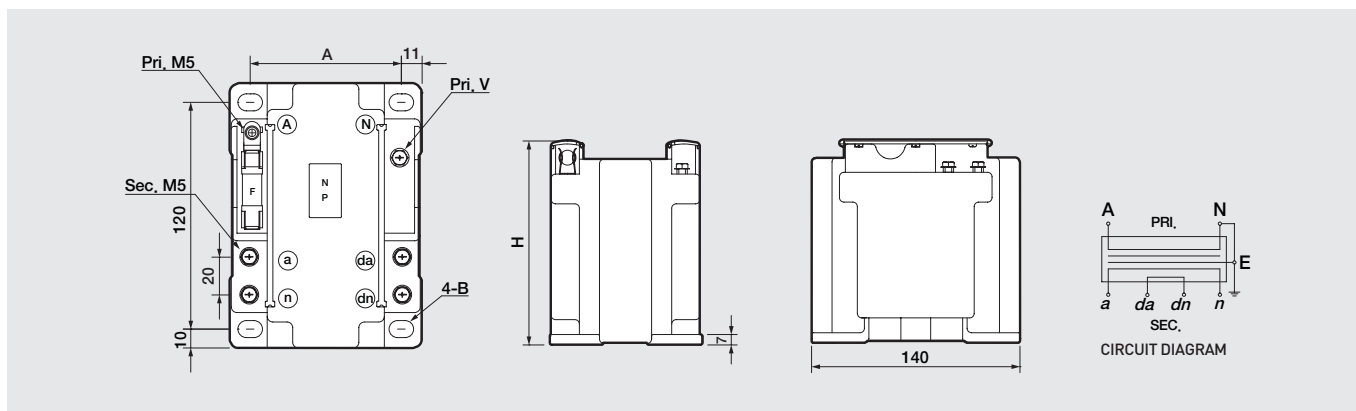
■ 사양 / Specification (1.9Vn/8hr)

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	3차 전압 Ter. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension (mm)		
								A	B	H
PU - 100NT	380/√3V	110/√3V	190/3V	60Hz	1.0 / 3P	50/100 VA	≒ 5.7	70	9x13	137
PU - 200NT	380/√3V	110/√3V	190/3V	60Hz	1.0 / 3P	100/200 VA	≒ 7.5	90	9x13	137

※ 상기 전압비는 표준형이며 이외 전압비도 주문가능함.

※ Other specification is available depend on customers request

■ 외형치수 / Dimension





저압 계기용 변압기

LV Voltage Transformer



CPT-48(D)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type

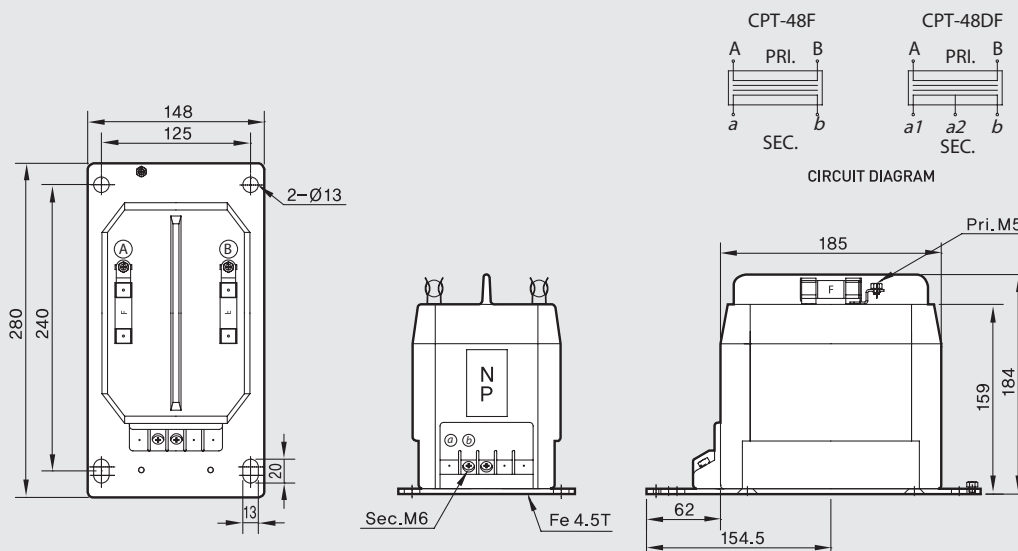
■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고회로전압 / Max. Voltage	1.15kV	1.15kV	0.72kV, 1.2kV
1차 전압 / Primary Voltage	220V ~ 880V	220V ~ 880V	220V ~ 880V
2차 전압 / Secondary Voltage	110V ~ 380V		
절연 계급 / Insulation Level	1.15/4/-kV	1.15/4/-kV	0.72/3/-kV, 1.2/6/-kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(Kg)	≈ 11kg		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	CPT-48(F)	CPT-48(D)(F)
0.5	-	0.5	500	500
1.0	1P	1.0	1500	1500
3.0	3P	3.0	2500	2500

※ 500VA 이상 휴즈형 불가 / For Over 500VA, Only Without Fuse model is available

■ 외형치수 / Dimension





CPT-48N(D)(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type

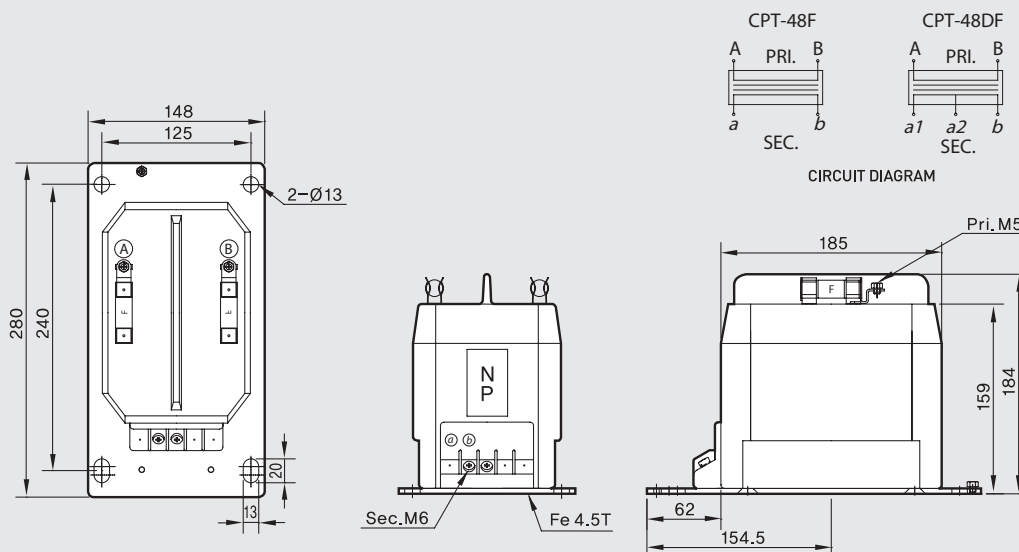
■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고회로전압 / Max. Voltage	1.15kV	1.15kV	0.72kV, 1.2kV
1차 전압 / Primary Voltage	380/ $\sqrt{3}$ V	380/ $\sqrt{3}$ V	380/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V, 190/ $\sqrt{3}$ V		
3차 전압 / Tertiary Voltage	110/3V, 190/3V		
절연 계급 / Insulation Level	1.15/4/-kV	1.15/4/-kV	0.72/3/-kV, 1.2/6/-kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(Kg)	≈ 11kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	CPT-48N(F)	CPT-48ND(F)	CPT-48NDT(F)
0.5	-	0.5	200	200	-
1.0	1P	1.0	300	300	-
3.0	3P	3.0	1000	1000	-
-	1P/3G	1.0/3P	-	-	300 / 500
-	-	1.0/3P	-	-	300 / 500

※ 500VA 이상 휴즈형 불가 / For Over 500VA, Only Without Fuse model is available

■ 외형치수 / Dimension





저압 계기용 변압기

LV Voltage Transformer



TU-15(D)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

특징 / Feature

- 규격 / KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type

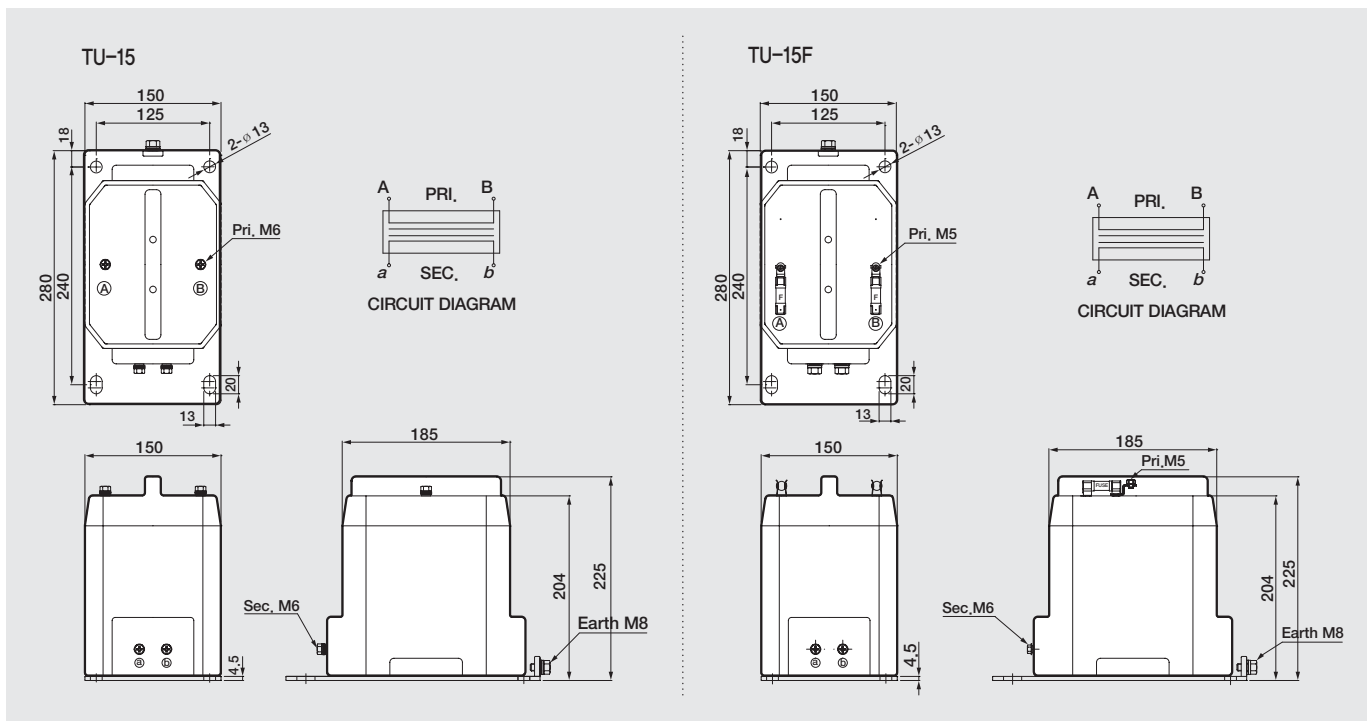
사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고회로전압 / Max. Voltage	1.15kV	1.15kV	0.72kV, 1.2kV
1차 전압 / Primary Voltage	220V ~ 880V	220V ~ 880V	220V ~ 880V
2차 전압 / Secondary Voltage	110V ~ 380V		
절연 계급 / Insulation Level	1.15/4/-kV	1.15/4/-kV	0.72/3/-kV, 1.2/6/-kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(Kg)	≒ 27kg		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	TU-15(F)	TU-15D(F)
0.5	-	0.5	500	500
1.0	1P	1.0	1500	1500
3.0	3P	3.0	2500	2500

※ 500VA 이상 휴즈형 불가 / For Over 500VA, Only Without Fuse model is available

외형치수 / Dimension





저압 계기용 변압기(접지형)

LV Earthed Voltage Transformer

A

LV VT



TU-15N(D)(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type

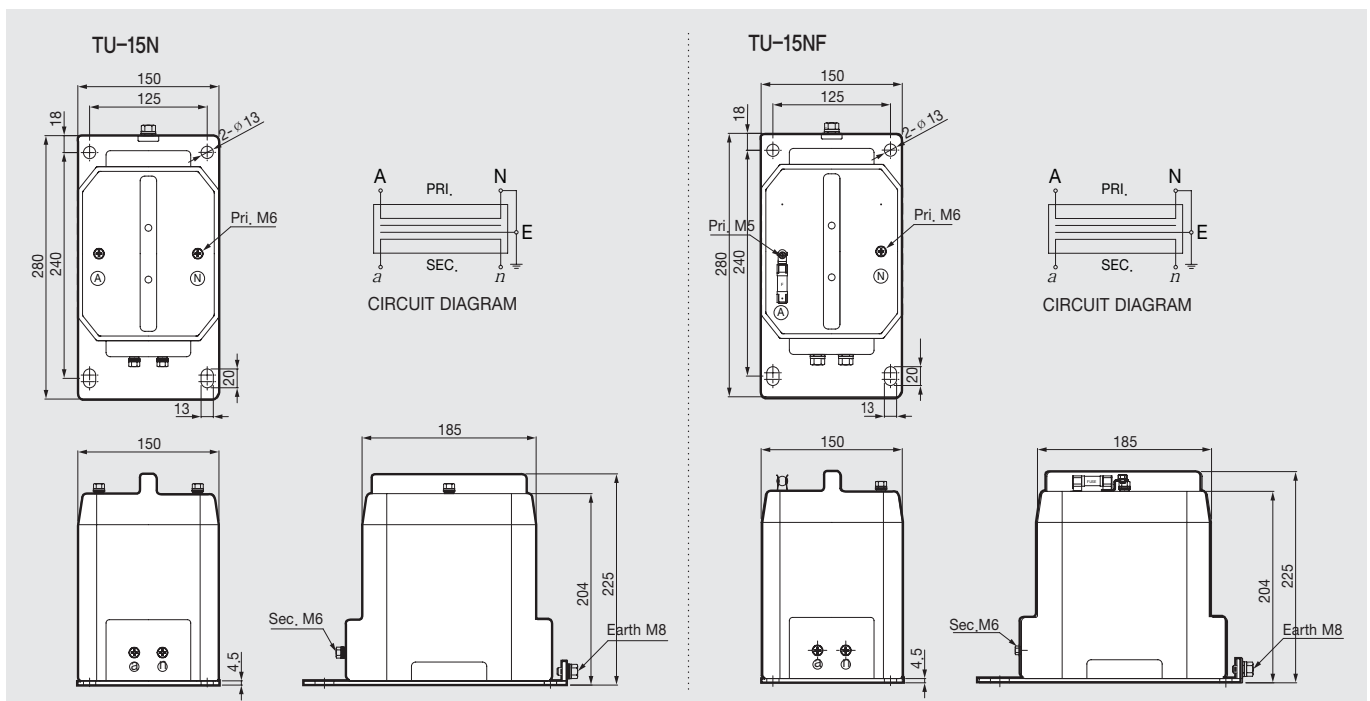
■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고회로전압 / Max. Voltage	1.15kV	1.15kV	0.72kV, 1.2kV
1차 전압 / Primary Voltage	380/ $\sqrt{3}$ V	380/ $\sqrt{3}$ V	380/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V, 190/ $\sqrt{3}$ V		
3차 전압 / Tertiary Voltage	110/3V, 190/3V		
절연 계급 / Insulation Level	1.15/4/-kV	1.15/4/-kV	0.72/3/-kV, 1.2/6/-kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(Kg)	≈ 27kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	TU-15N(F)	TU-15ND(F)	TU-15NDT(F)
0.5	-	0.5	200	200	-
1.0	1P	1.0	300	300	-
3.0	3P	3.0	1000	1000	-
-	1P/3G	1.0/3P	1.2Vn Cont, 1.9Vn/30s		300 / 500
-	-	1.0/3P	1.2Vn Cont, 1.9Vn/8H		300 / 500

※ 500VA 이상 휴즈형 불가 / For Over 500VA, Only Without Fuse model is available

■ 외형치수 / Dimension





저압 계기용 변압기(삼상용)

LV Three Phase Voltage Transformer



3PY-05Y

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 삼상용 / Three Phase(중성점 형성용)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type(Case : Polycarbonate)
- 60Hz

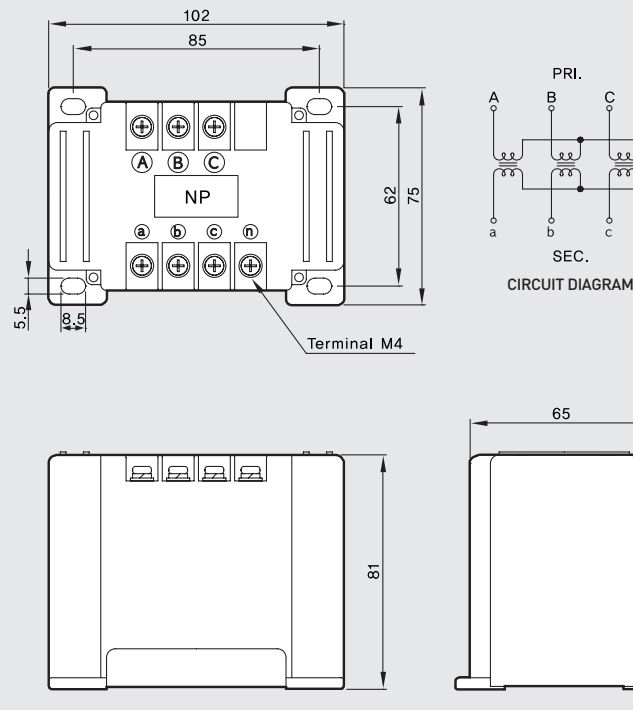
※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)
3PY - 05Y	110√3 ~ 880√3V	110√3 ~ 880√3V	60Hz	1.0	5VA	≒ -

■ 외형치수 / Dimension





배전반용 / For Switchgear

3PV-40DH/3PY-40DH

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 삼상용 / Three Phase
- 비접지형 / Line to Line Voltage Transformer(3PV-40DH)
- 접지형 / Earthed Voltage Transformer(3PY-40DH)
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type(Case : Polycarbonate)
- 60 or 50Hz

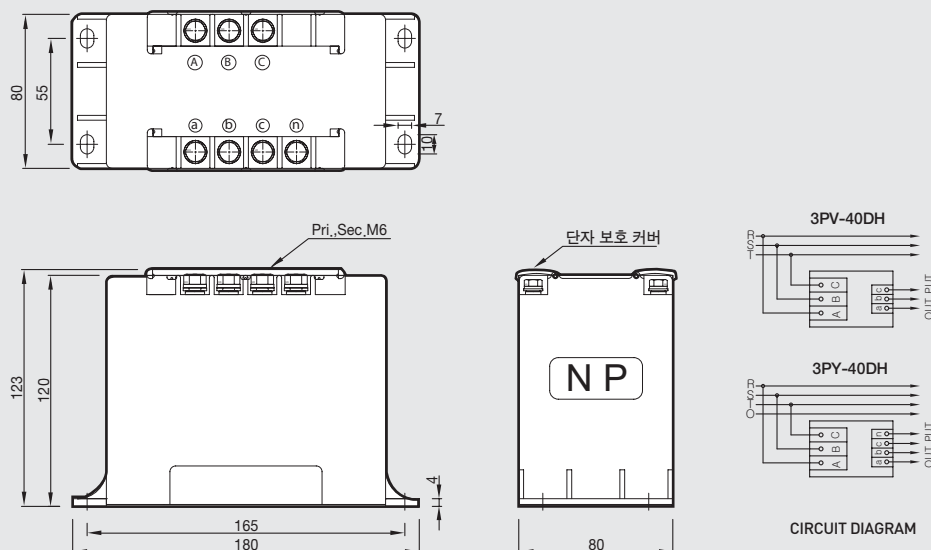
※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)
3PV - 40DH	110~880V	110~220V	60 or 50Hz	0.5	2×15VA	≒ 4.0
				1.0	2×30VA	
3PY - 40DH	380/√3V	190/√3V	60 or 50Hz	0.5	3×10VA	≒ 4.5
				1.0	3×15VA	

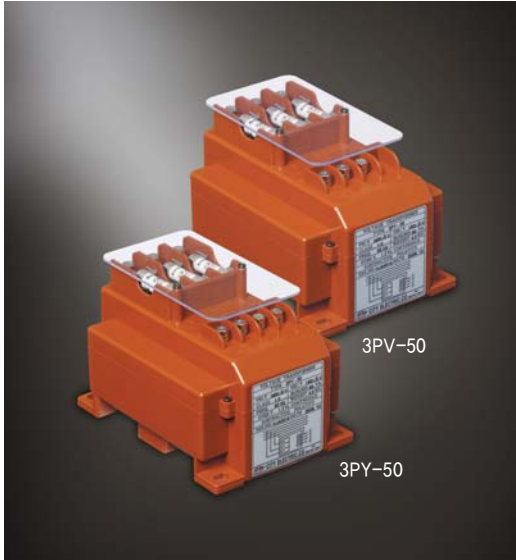
■ 외형치수 / Dimension





저압 계기용 변압기(삼상용)

LV Three Phase Voltage Transformer



3PV-50/3PY-50

배전반용/For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-3, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 삼상용 / Three Phase
- 비접지형 / Line to Line Voltage Transformer(3PV-50)
- 접지형 / Earthed Voltage Transformer(3PY-50)
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type(Case : ABS)
- 60 or 50Hz

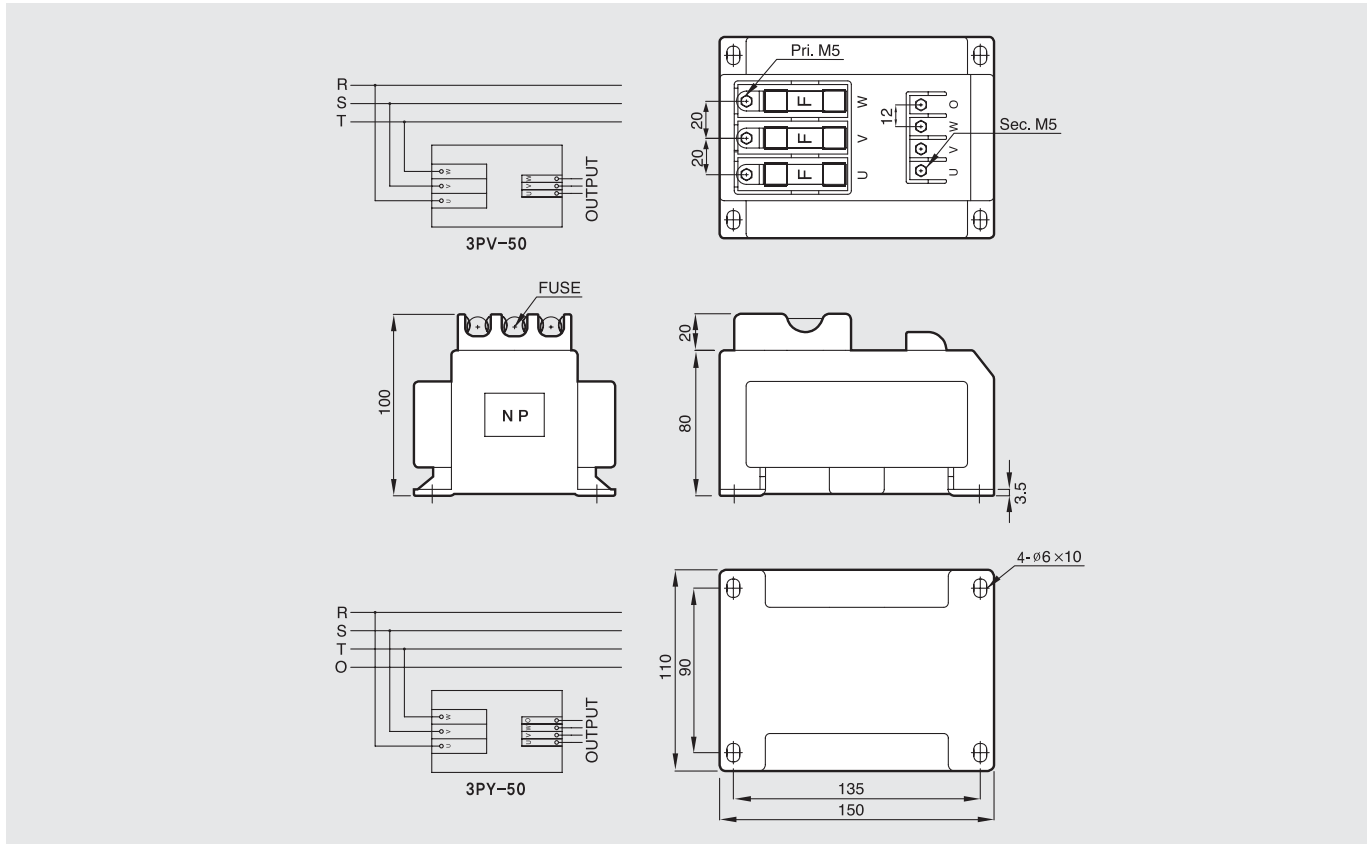
※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

Type	1차 전압 Pri. Volt	2차 전압 Sec. Volt	주파수 Freq.	계급 Class	부담 Burden	중량 Weight(kg)
3PV - 50	110~880V	110~220V	60 or 50Hz	0.5	2×15VA	≒ 4.0
				1.0	2×30VA	
3PY - 50	380/√3V	190/√3V	60 or 50Hz	0.5	3×10VA	≒ 4.5
				1.0	3×17VA	

■ 외형치수 / Dimension





3PY-500N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72kV(1.15kV)

■ 특징 / Feature

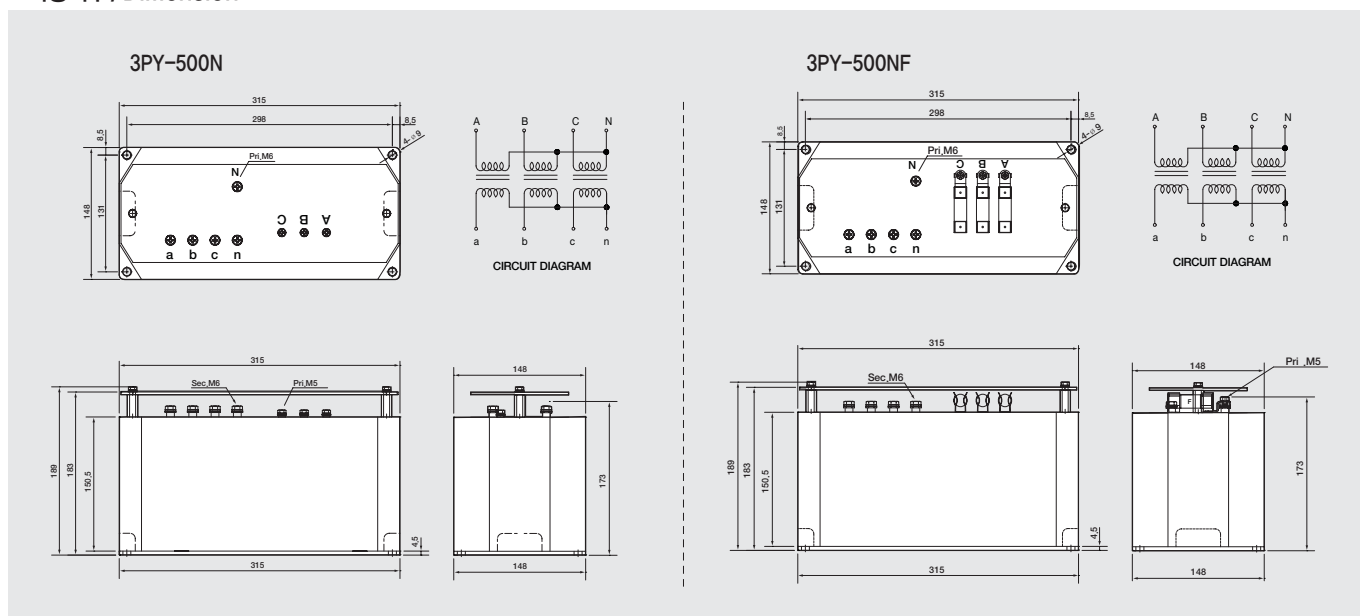
- 옥내용 / For Indoor
- 삼상용 / Three Phase
- 접지형 / Earthed Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고회로전압 / Max. Voltage	1.15kV	1.15kV	0.72kV, 1.2kV
1차 전압 / Primary Voltage	$110/\sqrt{3} \sim 880/\sqrt{3}V$	$110/\sqrt{3} \sim 880/\sqrt{3}V$	$110/\sqrt{3} \sim 880/\sqrt{3}V$
2차 전압 / Secondary Voltage		$110/\sqrt{3}$ or $190/\sqrt{3}V$	
절연 계급 / Insulation Level		1.15/4-kV	
과전압 배수 / Over Voltage Factor	1.15/4-kV	1.1Vn Cont., 1.9Vn/30min	0.72/3-kV, 1.2/6-kV
주파수 / Frequency	—	60 or 50Hz	1.2Vn Cont., 1.9Vn/30sec
중량 / Weight(Kg)		≒ 29kg	

계급 / Accuracy Class			부담 / Burden
KS C 1706	JEC 1201	IEC 61869-3	
0.5	—	0.5	3x100VA
1.0	1P	1.0	3x200VA
3.0	3P	3.0	3x500VA

■ 외형치수 / Dimension





Low Voltage Current Transformer



KS C 1706.1707



Certification ISO 9001,14001



Conformité Européenne



1-E Class Certi



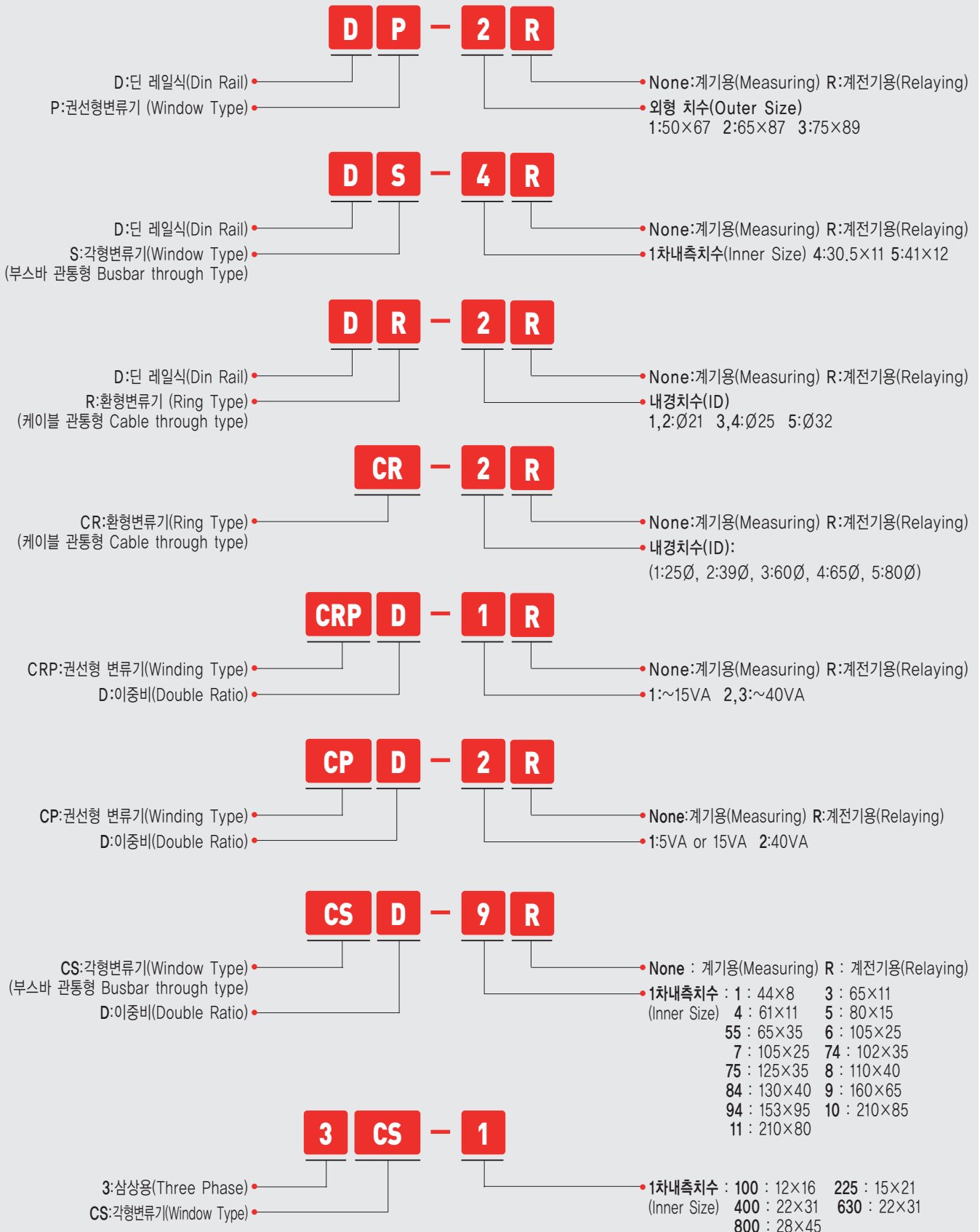
www.kepic.co.kr / 02-2610-4111
No. 2015-KTP-010

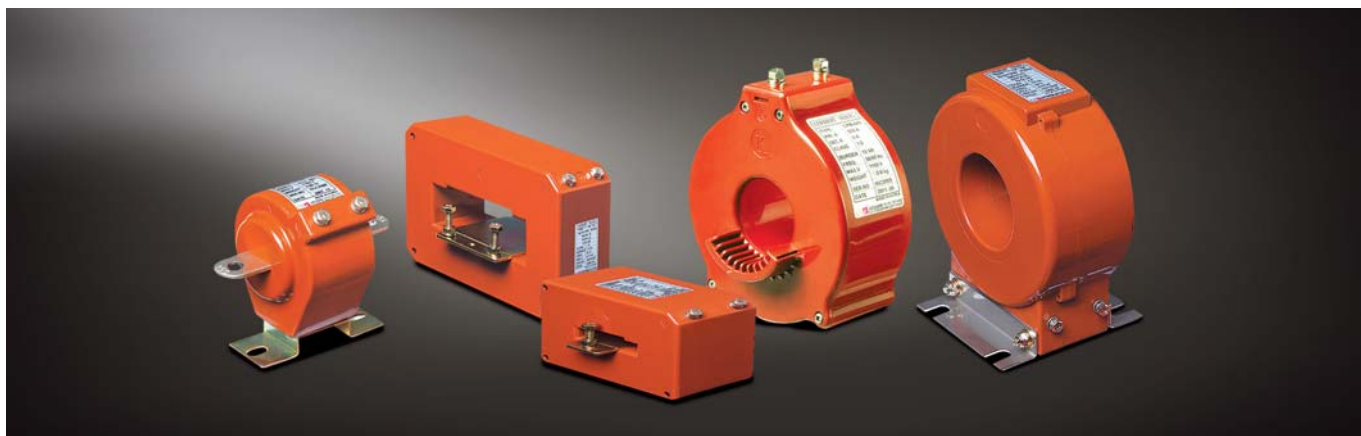
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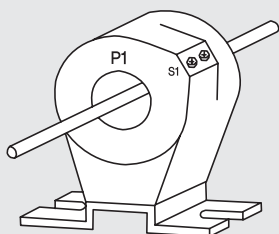




■ 변류기 사용방법

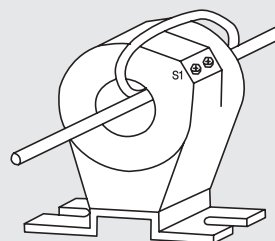
환형타입의 1차 턴수

케이블 턴수: 1턴 $200(A) \times 1(T) = 200(AT)$



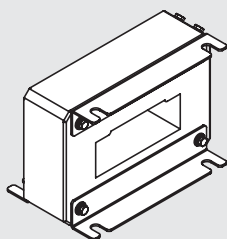
Ratio: 200/5(A)

케이블 턴수: 2턴 $100(A) \times 2(T) = 200(AT)$

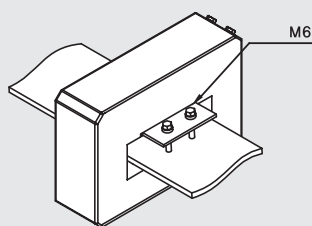


Ratio: 100/5(A)

각형타입



Vertical or Horizontal Attached Type



M6 Insulation Bolt Cap Size

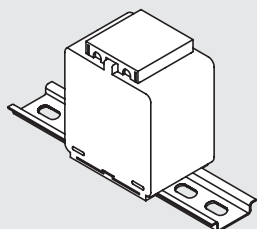
Insert

Ø7.8

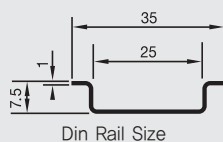
5.5

Busbar Through Type

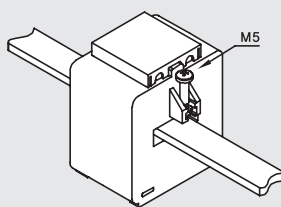
취부방법



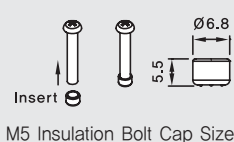
On Din Rail



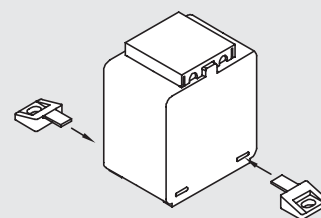
Din Rail Size



To Cable or Busbar



M5 Insulation Bolt Cap Size



Base Mounted with Feet



Base Mounted Accessory



CR-1/2/3

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)
The short-time current is $40 \times I_{pn}$ (Max. 40kA)

■ 사양 / Specification

Type	중량 Weight(kg)	치 수 / Dimension(mm)				
		A	B	C	D	H
CR - 1	≒ 0.55	70	Ø25	40	53	91
CR - 2	≒ 0.75	88	Ø39	40	62	108
CR - 3	≒ 1.0	115	Ø60	40	80.5	138

■ Ampere Turn

정격 AT란 정격 1차 전류(A)에 1차 도체의 관통횟수(Turn)를 곱한 값을 Ampere Turn으로 나타낸다.

따라서 CR Type의 정격 1차 전류의 관통횟수(Turn)에 따라 1차 턴수 표에서와 같이 여러 변류비를 얻을 수 있다.

The Rated Ampere Turn is the result value that the number of turns of Primary wire is multiplied by the number of Amperes of the rated current carried by the primary wire.

The various current transformation ratios of CR type can be checked at the table, Primary Turn.

■ 예시 / Example

정격 AT이 200AT인 CT의 경우, 관통횟수(Turn)에 따른 변류비는?

1차 도체의 관통횟수가 1회인 경우 : 200A (정격 1차 전류) X 1Turn = 200AT
 1차 도체의 관통횟수가 2회인 경우 : 100A (정격 1차 전류) X 2Turn = 200AT
 1차 도체의 관통횟수가 4회인 경우 : 50A (정격 1차 전류) X 4Turn = 200AT
 그러므로 200AT인 CT의 1차 관통횟수를 조정하여 얻고자 하는 정격 1차 전류를 자유롭게 얻을 수 있습니다.

If the AT is 200AT, the possible current ratios according to the turns of primary wire may be as below.

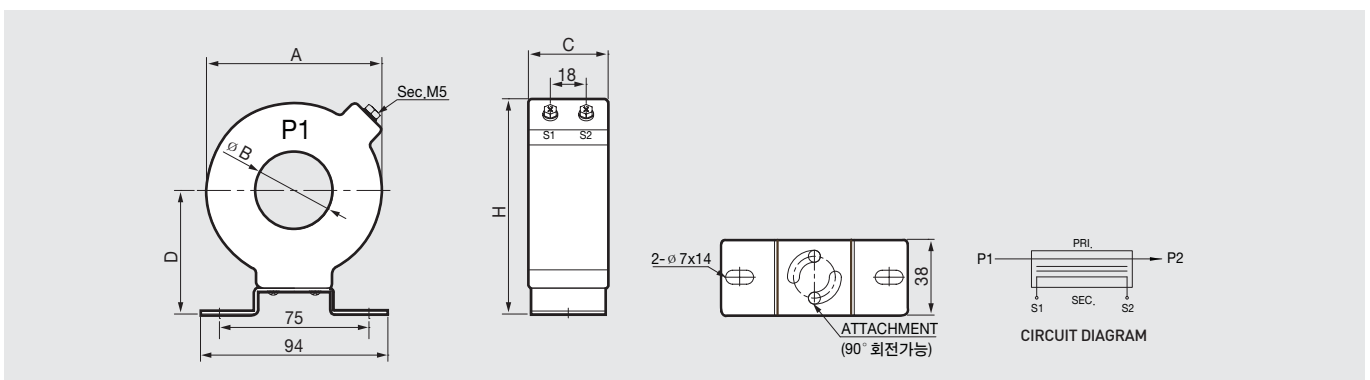
When the number of turns of Primary wire is 1,
 200A(rated primary current) X 1 turn = 200AT

When the number of turns of Primary wire is 2,
 100A(rated primary current) X 2 turns = 200AT

When the number of turns of Primary wire is 4,
 50A(rated primary current) X 4 turns = 200AT

By adjusting the number of turns of primary wire, you can get the desired rated primary current.

■ 외형치수 / Dimension



■ 1차턴수/Primary Turn

Pri.Cur.	Type	CR-1						CR-2						CR-3					
	Class	3.0		1.0				1.0						1.0					
	Burden	5 VA		5 VA		15 VA		5 VA		15 VA		40VA		5 VA		15 VA		40VA	
Sec.Cur.		AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn
5A	5A / 1A	60	12	100	20	-	-	100	20	-	-	-	-	-	-	-	-	-	-
10A		60	6	100	10	-	-	100	10	-	-	-	-	-	-	-	-	-	-
15A		60	4	120	8	180	12	120	8	180	12	-	-	-	-	-	-	-	-
20A		60	3	100	5	180	9	100	5	180	9	-	-	-	-	-	-	-	-
25A		75	3	100	4	200	8	100	4	200	8	-	-	-	-	-	-	-	-
30A		60	2	120	4	180	6	120	4	180	6	-	-	-	-	-	-	-	-
40A		80	2	120	3	200	5	120	3	200	5	400	10	-	-	-	-	-	-
50A		100	2	100	2	200	4	100	2	200	4	400	8	-	-	-	-	-	-
60A		60	1	120	2	180	3	120	2	180	3	420	7	-	-	-	-	-	-
75A		75	1	150	2	225	3	150	2	225	3	450	6	-	-	-	-	-	-
80A		80	1	160	2	240	3	160	2	240	3	400	5	-	-	-	-	-	-
90A		90	1	180	2	180	2	180	2	180	2	450	5	-	-	-	-	-	-
100A		100	1	100	1	200	2	100	1	200	2	400	4	-	-	-	-	-	-
120A		120	1	120	1	240	2	120	1	240	2	480	4	-	-	-	-	-	-
150A		150	1	150	1	300	2	150	1	300	2	450	3	-	-	-	-	-	-
180A		180	1	180	1	180	1	180	1	180	1	540	3	-	-	-	-	-	-
200A		200	1	200	1	200	1	200	1	200	1	400	2	-	-	-	-	-	-
240A		240	1	240	1	240	1	240	1	240	1	480	2	-	-	-	-	-	-
250A		250	1	250	1	250	1	250	1	250	1	500	2	-	-	-	-	-	-
300A		300	1	300	1	300	1	300	1	300	1	600	2	300	1	300	1	-	-
400A		-	-	-	-	-	-	400	1	400	1	400	1	400	1	400	1	400	1
500A		-	-	-	-	-	-	500	1	500	1	500	1	500	1	500	1	500	1
600A		-	-	-	-	-	-	600	1	600	1	600	1	600	1	600	1	600	1
750A		-	-	-	-	-	-	750	1	750	1	750	1	750	1	700	1	700	1
800A		-	-	-	-	-	-	800	1	800	1	800	1	800	1	800	1	800	1
1000A		-	-	-	-	-	-	-	-	-	-	-	-	1000	1	1000	1	1000	1
1200A		-	-	-	-	-	-	-	-	-	-	-	-	1200	1	1200	1	1200	1
1500A		-	-	-	-	-	-	-	-	-	-	-	-	1500	1	1500	1	1500	1

B

LVCT



저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

CR-1W(R)/2W(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- 60Hz, 40In/1s(Option: 50Hz)
The short-time current is $40 \times I_{pn}$ (Max. 40kA)

■ 사양 / Specification

Type	중량 Weight(kg)	치 수 / Dimension(mm)				
		A	B	C	D	H
CR - 1W(R)	≒ 0.95	70	Ø25	65	50	90
CR - 2W(R)	≒ 1.3	88	Ø39	65	60	105

■ Ampere Turn

정격 AT란 정격 1차 전류(A)에 1차 도체의 관통횟수(Turn)를 곱한 값을 Ampere Turn으로 나타낸다. 따라서 CR Type의 정격 1차 전류의 관통횟수(Turn)에 따라 1차 턴수 표에서와 같이 여러 변류비를 얻을 수 있다.

The Rated Ampere Turn is the result value that the number of turns of Primary wire is multiplied by the number of Amperes of the rated current carried by the primary wire.
The various current transformation ratios of CR type can be checked at the table, Primary Turn.

■ 예시 / Example

정격 AT이 200AT인 CT의 경우, 관통횟수(Turn)에 따른 변류비는?

1차 도체의 관통횟수가 1회인 경우 : 200A (정격 1차 전류) X 1Turn = 200AT
1차 도체의 관통횟수가 2회인 경우 : 100A (정격 1차 전류) X 2Turn = 200AT
1차 도체의 관통횟수가 4회인 경우 : 50A (정격 1차 전류) X 4Turn = 200AT
그러므로 200AT인 CT의 1차 관통횟수를 조정하여 얻고자 하는 정격 1차 전류를 자유롭게 얻을 수 있습니다.

If the AT is 200AT, the possible current ratios according to the turns of primary wire may be as below.

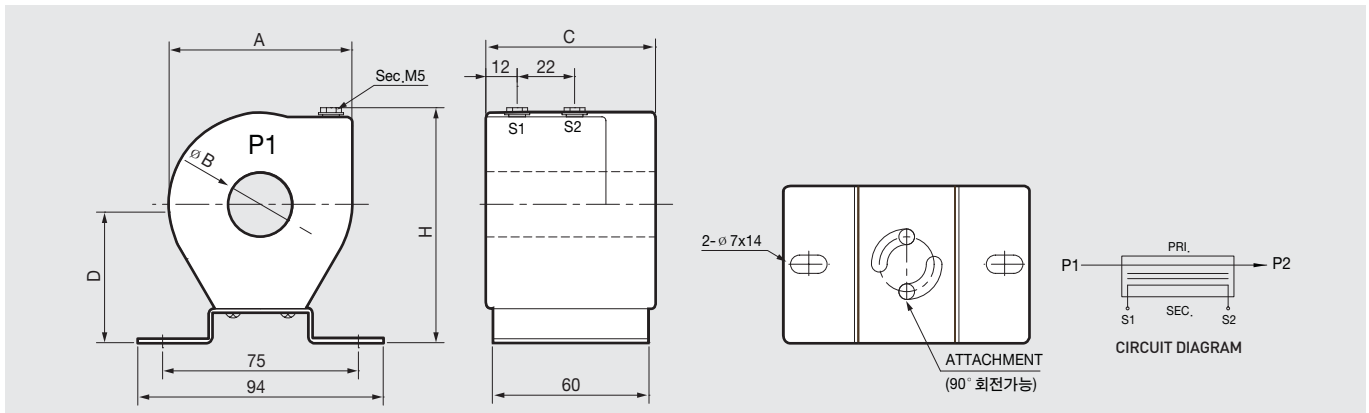
When the number of turns of Primary wire is 1,
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When the number of turns of Primary wire is 2,
100A(rated primary current) X 2 turns = 200AT

When the number of turns of Primary wire is 4,
50A(rated primary current) X 4 turns = 200AT

By adjusting the number of turns of primary wire, you can get the desired rated primary current.

■ 외형치수 / Dimension



■ 계기용 1차턴수/Primary Turn for Measuring Application

Pri.Cur.	Type	CR-1W						CR-2W					
	Class	3.0		1.0				1.0					
	Burden	5 VA		5 VA		15 VA		5 VA		15 VA		40 VA	
Sec.Cur.		AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn	AT	Turn
5A	5A / 1A	40	8	—	—	—	—	—	—	—	—	—	—
10A		40	4	60	6	—	—	60	6	120	12	—	—
15A		45	3	60	4	120	8	75	5	120	8	—	—
20A		40	2	60	3	100	5	60	3	120	6	—	—
25A		50	2	75	3	100	4	75	3	150	6	—	—
30A		60	2	60	2	120	4	90	3	120	4	240	8
40A		40	1	80	2	120	3	80	2	120	3	240	6
50A		50	1	100	2	100	2	100	2	150	3	250	5
60A		60	1	60	2	120	2	60	1	120	2	240	4
75A		75	1	75	2	150	2	75	1	150	2	300	4
80A		80	1	80	1	160	2	80	1	160	2	240	3
90A		90	1	90	1	180	2	90	1	180	2	270	3
100A		100	1	100	1	100	2	100	1	—	—	300	3
120A		120	1	120	1	120	1	120	1	120	1	240	2
150A		150	1	150	1	150	1	150	1	150	1	300	2
180A		180	1	180	1	180	1	180	1	180	1	360	2
200A		200	1	200	1	200	1	200	1	200	1	400	2
240A		240	1	240	1	240	1	240	1	240	1	240	1
250A		250	1	250	1	250	1	250	1	250	1	250	1
300A		300	1	300	1	300	1	300	1	300	1	300	1
400A		—	—	—	—	—	—	400	1	400	1	400	1
500A		—	—	—	—	—	—	500	1	500	1	500	1
600A		—	—	—	—	—	—	600	1	600	1	600	1
750A		—	—	—	—	—	—	750	1	750	1	750	1
800A		—	—	—	—	—	—	800	1	800	1	800	1

■ 계전기용 1차턴수/Primary Turn for Relaying Application

1차 전류 Pri. Cur.	CR-1WR				CR-2WR			
	2차 전류 Sec. Cur.	계급 Class 5P10	2차 전류 Sec. Cur.	계급 Class 5P20	2차 전류 Sec. Cur.	계급 Class 5P10	2차 전류 Sec. Cur.	계급 Class 5P20
40A	5A / 1A	0.3VA	1A	0.1VA	5A / 1A	—	1A	—
50A		0.5VA		0.1VA		0.8VA		0.1VA
60A		0.7VA		0.1VA		1.0VA		0.1VA
75A		0.9VA		0.2VA		1.4VA		0.2VA
80A		1.0VA		0.2VA		1.4VA		0.2VA
100A		1.0VA		0.3VA		1.5VA		0.3VA
120A		1.2VA		0.4VA		2.0VA		0.4VA
150A		1.5VA		0.5VA		2.5VA		0.5VA
200A		2.0VA		0.7VA		3.5VA		0.7VA
250A		—		—		4.0VA		1.0VA
300A		3.0VA		1.0VA		4.6VA		1.2VA
400A		—		—		6.0VA		1.6VA
500A		—		—		6.5VA		1.3VA
600A		—		—		3.5VA		1.0VA



저압 계기용 및 계전기용 변류기

LV Current Transformer



CR-3(R) / 4(R) / 5(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

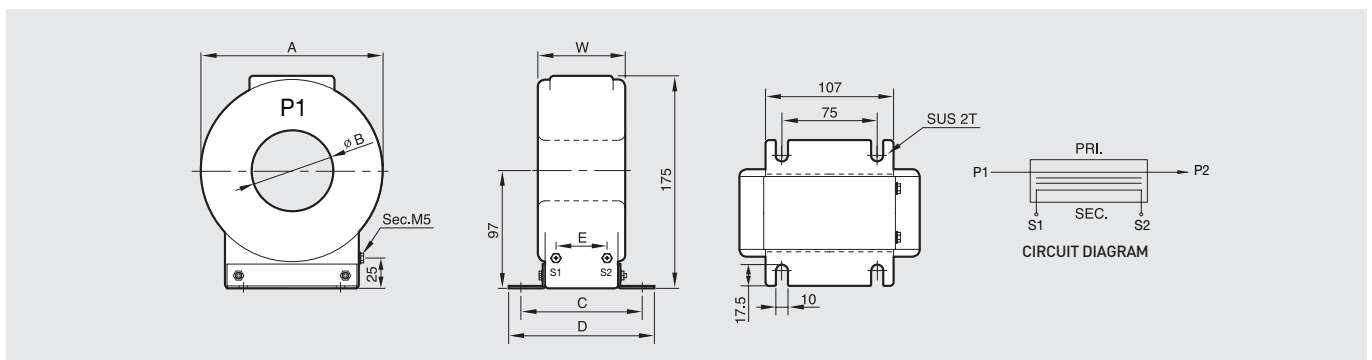
■ 특징/Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type(Case: ABS)
- 60Hz, 40In/1s(Option: 50Hz)

■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	주파수 Frequency	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)					
							A	B	C	D	E	W
CR - 31	80~1000A	5A / 1A	60 or 50Hz	1.0	5 VA	≒ 5.0	150	Ø55	74	99	22	51
	120~1000A				15 VA							
	200~1000A				40 VA							
CR - 32	60~1000A			1.0	5 VA	≒ 7.0	150	Ø55	96	121	42	73
	100~1000A				15 VA							
	150~1000A				40 VA							
CR - 33	60~1000A			1.0	5 VA	≒ 9.0	150	Ø55	118	143	32	95
	100~1000A				15 VA							
	150~1000A				40 VA							
CR - 41	100~2000A	5A / 1A	60 or 50Hz	1.0	5 VA	≒ 4.0	150	Ø65	74	99	22	51
	200~2000A				15 VA							
	300~2000A				40 VA							
CR - 42	75~2000A			1.0	5 VA	≒ 6.0	150	Ø65	96	121	42	73
	150~2000A				15 VA							
	200~2000A				40 VA							
CR - 43	60~2000A			1.0	5 VA	≒ 8.0	150	Ø65	118	143	32	95
	100~2000A				15 VA							
	150~2000A				40 VA							
CR - 51	100~2000A	5A / 1A	60 or 50Hz	1.0	5 VA	≒ 3.0	150	Ø80	74	99	22	51
	200~2000A				15 VA							
	450~2000A				40 VA							
CR - 52	80~2000A			1.0	5 VA	≒ 4.0	150	Ø80	96	121	42	73
	120~2000A				15 VA							
	200~2000A				40 VA							
CR - 53	60~2000A			1.0	5 VA	≒ 6.0	150	Ø80	118	143	32	95
	80~2000A				15 VA							
	150~2000A				40 VA							

■ 외형치수/Dimension



■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	주파수 Frequency	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)					
							A	B	C	D	E	W
CR - 31R	120~1000A	5A / 1A	60 or 50Hz	5P10	5VA	≒ 5.0	150	Ø55	74	99	22	51
	350~1000A				15VA							
	250~1000A			5P20	5VA							
CR - 32R	80~1000A			5P10	5VA	≒ 7.0	150	Ø65	96	121	42	73
	250~1000A				15VA							
	150~1000A			5P20	5VA							
CR - 33R	60~1000A			5P10	5VA	≒ 9.0	150	Ø65	118	143	32	95
	180~1000A				15VA							
	400~1000A				40VA							
	100~1000A			5P20	5VA							
	400~1000A				15VA							
CR - 41R	120~2000A	5A / 1A	60Hz	5P10	5 VA	≒ 4.0	150	Ø65	74	99	22	51
	350~2000A				15 VA							
	300~2000A			5P20	5 VA							
CR - 42R	120~2000A			5P10	5 VA	≒ 6.0	150	Ø65	96	121	42	73
	350~2000A				15 VA							
	300~2000A			5P20	5 VA							
CR - 43R	60~2000A			5P10	5 VA	≒ 8.0	150	Ø65	118	143	32	95
	200~2000A				15 VA							
	400~2000A				40 VA							
	120~2000A			5P20	5 VA							
	400~2000A				15 VA							
CR - 51R	200~2000A	5A / 1A	60Hz	5P10	5 VA	≒ 3.0	150	Ø80	74	99	22	51
	500~2000A				15 VA							
	400~2000A			5P20	5 VA							
CR - 52R	120~2000A			5P10	5 VA	≒ 4.0	150	Ø80	96	121	42	73
	400~2000A				15 VA							
	250~2000A			5P20	5 VA							
CR - 53R	75~2000A			5P10	5 VA	≒ 6.0	150	Ø80	118	143	32	95
	250~2000A				15 VA							
	600~2000A				40 VA							
	200~2000A			5P20	5 VA							
	500~2000A				15 VA							
CR - 41R	200~2000A	5A / 1A	50Hz	5P10	5 VA	≒ 4.0	150	Ø65	74	99	22	51
	500~2000A				15 VA							
	400~2000A			5P20	5 VA							
CR - 42R	150~2000A			5P10	5 VA	≒ 6.0	150	Ø65	96	121	42	73
	400~2000A				15 VA							
	400~2000A			5P20	5 VA							
CR - 43R	100~2000A			5P10	5 VA	≒ 8.0	150	Ø65	118	143	32	95
	250~2000A				15 VA							
	600~2000A				40 VA							
	200~2000A			5P20	5 VA							
CR - 51R	250~2000A	5A / 1A	50Hz	5P10	5 VA	≒ 3.0	150	Ø80	174	99	22	51
	750~2000A				15 VA							
	750~2000A			5P20	5 VA							
CR - 52R	150~2000A			5P10	5 VA	≒ 4.0	150	Ø80	96	121	42	73
	500~2000A				15 VA							
	400~2000A			5P20	5 VA							
CR - 53R	100~2000A			5P10	5 VA	≒ 6.0	150	Ø80	118	143	32	95
	300~2000A				15 VA							
	800~2000A				40 VA							
	250~2000A			5P20	5 VA							

B

LVCT



저압 계기용 및 계전기용 변류기

LV Current Transformer



CR-6(R) / 7(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

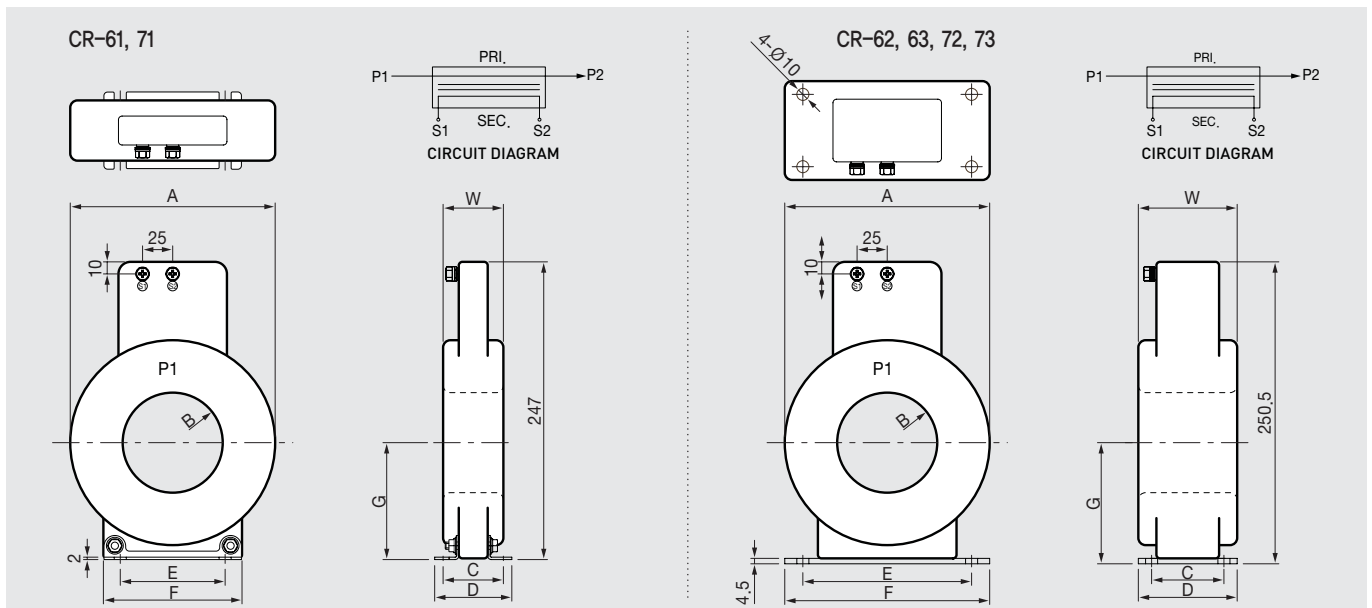
특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz, 40In/1s(Option: 50Hz)

사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)							
						A	B	C	D	E	F	G	W
CR-61	80~2000A	5A / 1A	1.0	5 VA	≒ 4.5	170	Ø83	61	75	85	115	97	50
	150~2000A			15 VA									
	250~2000A			40 VA									
CR-62	80~2000A		1.0	5 VA	≒ 7.0	170	Ø83	60	82	140	170	100.5	82
	100~2000A			15 VA									
	200~2000A			40 VA									
CR-63	60~2000A		1.0	5 VA	≒ 10.0	170	Ø83	92	114	140	170	100.5	114
	100~2000A			15 VA									
	150~2000A			40 VA									
CR-71	100~3000A	5A / 1A	1.0	5 VA	≒ 3.5	170	Ø100	61	75	85	115	97	50
	200~3000A			15 VA									
	300~3000A			40 VA									
CR-72	80~3000A		1.0	5 VA	≒ 5.0	170	Ø100	60	82	140	170	100.5	82
	150~3000A			15 VA									
	200~3000A			40 VA									
CR-73	80~3000A		1.0	5 VA	≒ 7.0	170	Ø100	92	114	140	170	100.5	114
	120~3000A			15 VA									
	200~3000A			40 VA									

외형치수 / Dimension



■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)							
						A	B	C	D	E	F	G	W
CR-61	150~2000A	5A / 1A	5P10	5VA	≒ 5.0	170	Ø83	61	75	85	115	97	50
	400~2000A			15VA									
	300~2000A		5P20	5VA	≒ 8.0	170	Ø83	60	82	140	170	100.5	82
CR-62	80~2000A			5VA									
	250~2000A		5P10	15VA	≒ 11.0	170	Ø83	92	114	140	170	100.5	114
	150~2000A			5VA									
CR-63	60~2000A		5P20	5VA	≒ 3.5	170	Ø100	61	75	85	115	97	50
	150~2000A			15VA									
	400~2000A		5P10	40VA									
	100~2000A			5VA									
	300~2000A			15VA									
CR-71	200~3000A	5A / 1A	5P10	5VA	≒ 5.5	170	Ø100	60	82	140	170	100.5	82
	600~3000A			15VA									
	400~3000A		5P20	5VA	≒ 8.0	170	Ø100	92	114	140	170	100.5	114
CR-72	120~3000A			5VA									
	400~3000A		5P10	15VA	≒ 3.5	170	Ø100	61	75	85	115	97	50
	250~3000A			5VA									
CR-73	80~3000A		5P10	5VA	≒ 5.5	170	Ø100	60	82	140	170	100.5	82
	250~3000A			15VA									
	600~3000A			40VA									
	150~3000A		5P20	5VA									
	500~3000A			15VA									

B

LVCT



저압 계기용 및 계전기용 변류기

LV Current Transformer



CRP(D)-1

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

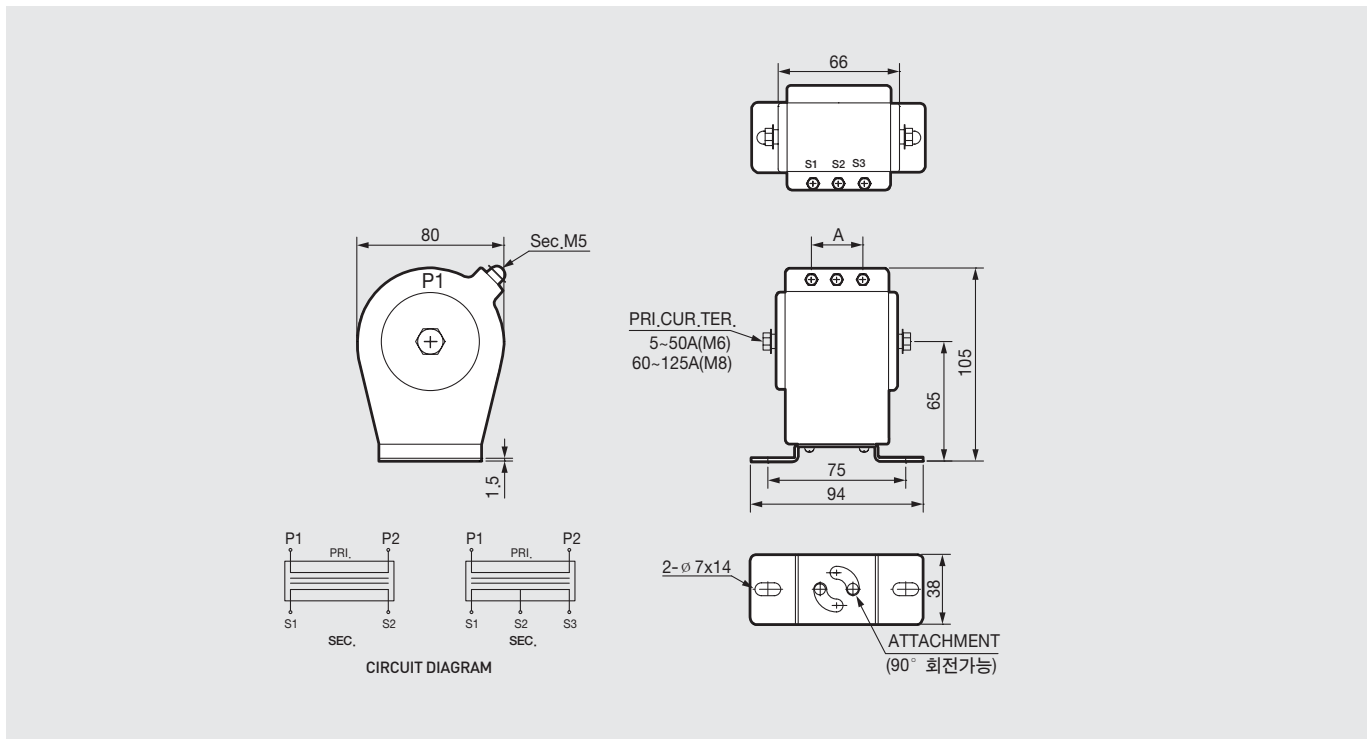
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 단자 연결형 / Terminal Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)
						A
CRP - 1	5~125A	5A / 1A	1.0	15 VA	≒ 0.8	28
CRPD - 1	10~5~120~60A		1.0	5 VA		

■ 외형치수 / Dimension





CRP(D)-2 배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

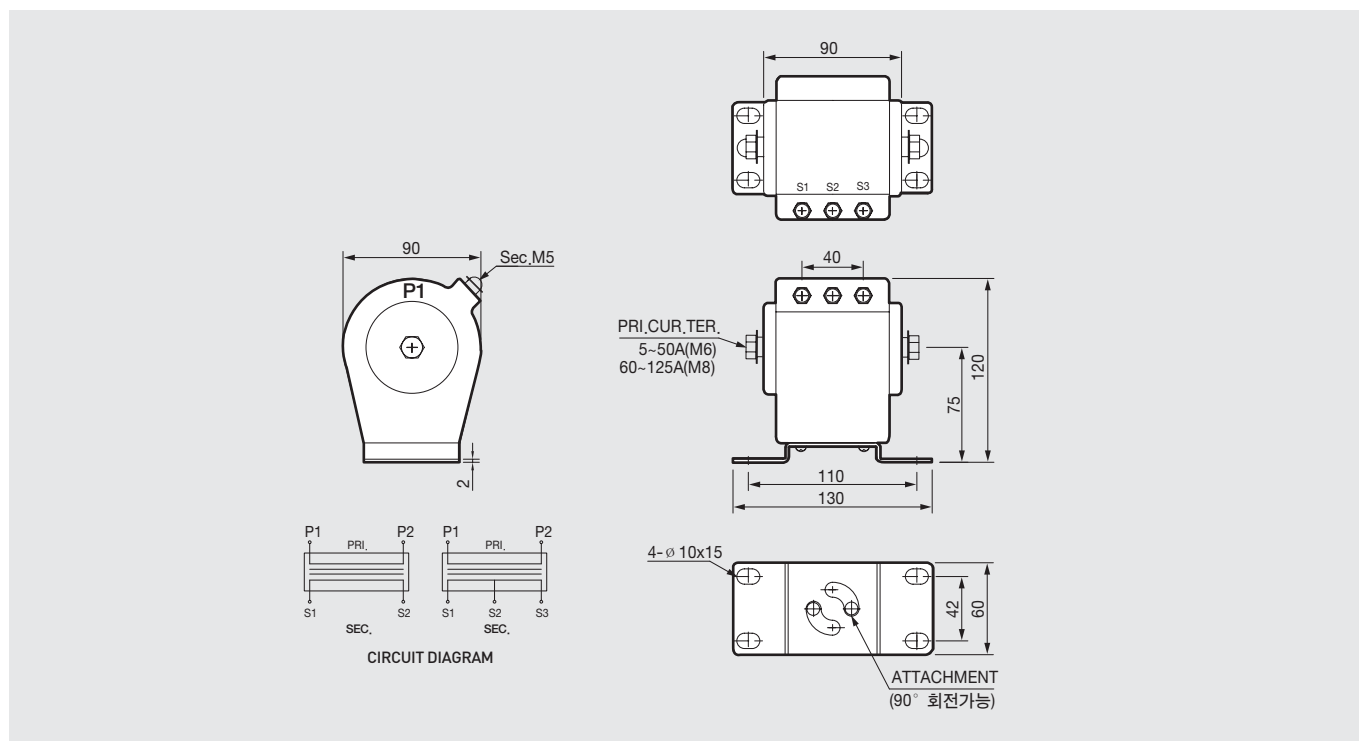
특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 단자 연결형 / Terminal Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)
						A
CRP - 2	5~125A	5A / 1A	0.5	5 / 15 VA	≒ 1.8	40
			1.0	40 VA		
CRPD - 2	10~5~120~60A		0.5	5 VA		
			1.0	15 VA		

외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



CRP(D)-3(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

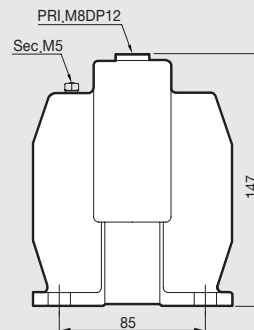
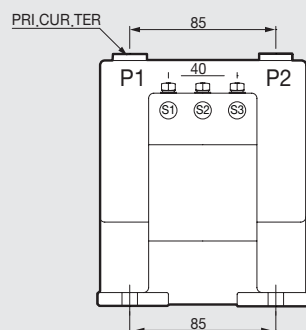
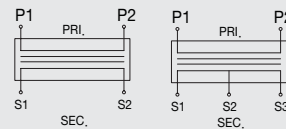
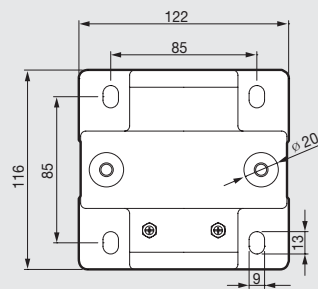
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 단자 연결형 / Terminal Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	주파수 Frequency	계급 Class	부담 Burden	중량 Weight(kg)
CRP - 3	5 ~ 150A 200 ~ 300A	5A / 1A	60 or 50Hz	0.5	15 VA	≒ 3.5
				1.0	40 VA	
CRP - 3R	5 ~ 150A 200 ~ 300A	5A / 1A	60Hz	5P10	15 VA	≒ 3.5
			50Hz		10 VA	
CRPD - 3	10-5 ~ 150-75A 200-100 ~ 300-150A	5A / 1A	60 or 50Hz	0.5	15 VA	≒ 3.5
				1.0	40 VA	
CRPD - 3R	10-5 ~ 150-75A 200-100 ~ 300-150A		60Hz	5P10	15 VA	≒ 3.5

■ 외형치수 / Dimension





CP(D)-1 배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

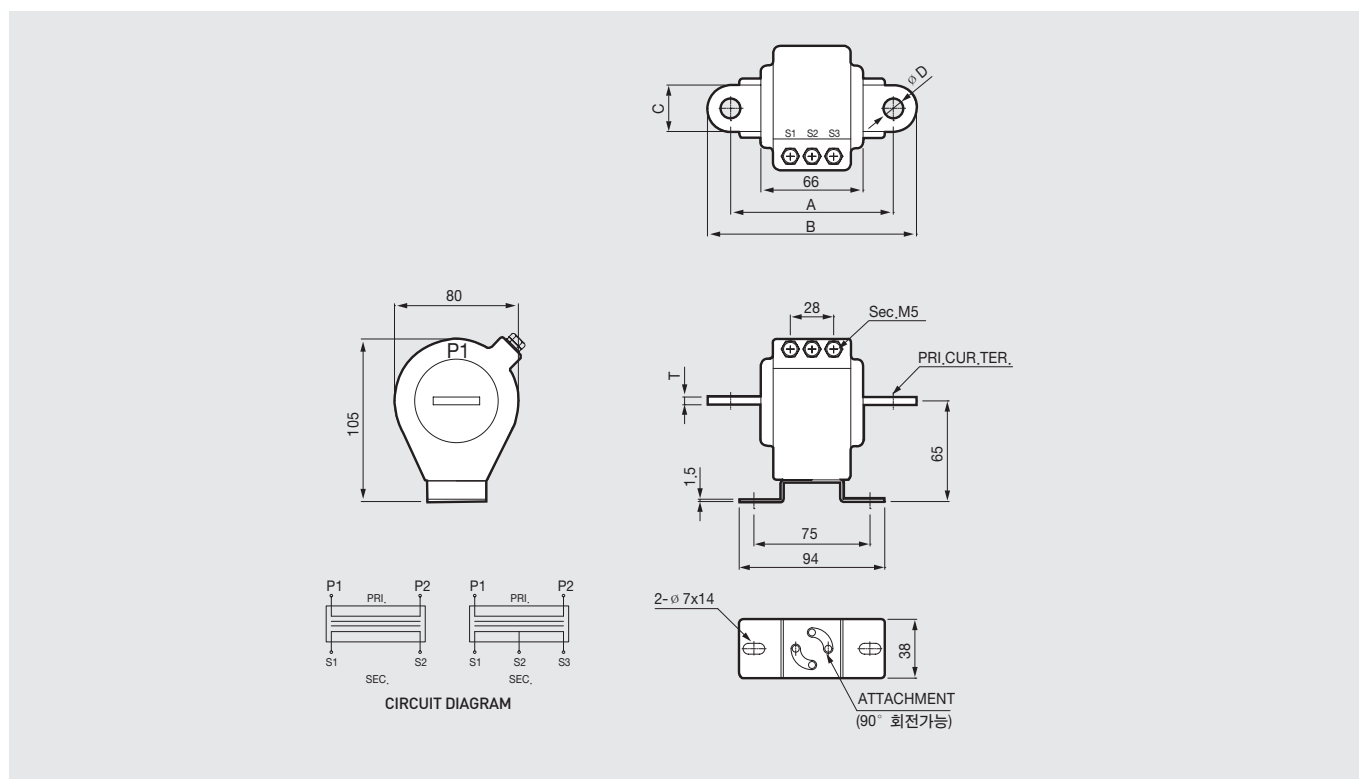
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 부스바 취부형 / Busbar Type
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- 60Hz, 40In/1s(Option: 50Hz)

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)				
						A	B	C	T	D
CP - 1	5~150A	5A / 1A	1.0	15 VA	≒ 0.85	100	125	25	3.2	Ø10
	200~300A				≒ 0.95	105	135	30	5	Ø13
	400~600A				≒ 1.2	115	155	40	6	Ø13
CPD - 1	10~5 ~ 150~75A	5A / 1A	1.0	5 VA	≒ 0.85	100	125	25	3.2	Ø10
	200~100 ~ 300~150A				≒ 0.95	105	135	30	5	Ø13
	400~200 ~ 600~300A				≒ 1.2	115	155	40	6	Ø13

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



CP(D)-2(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

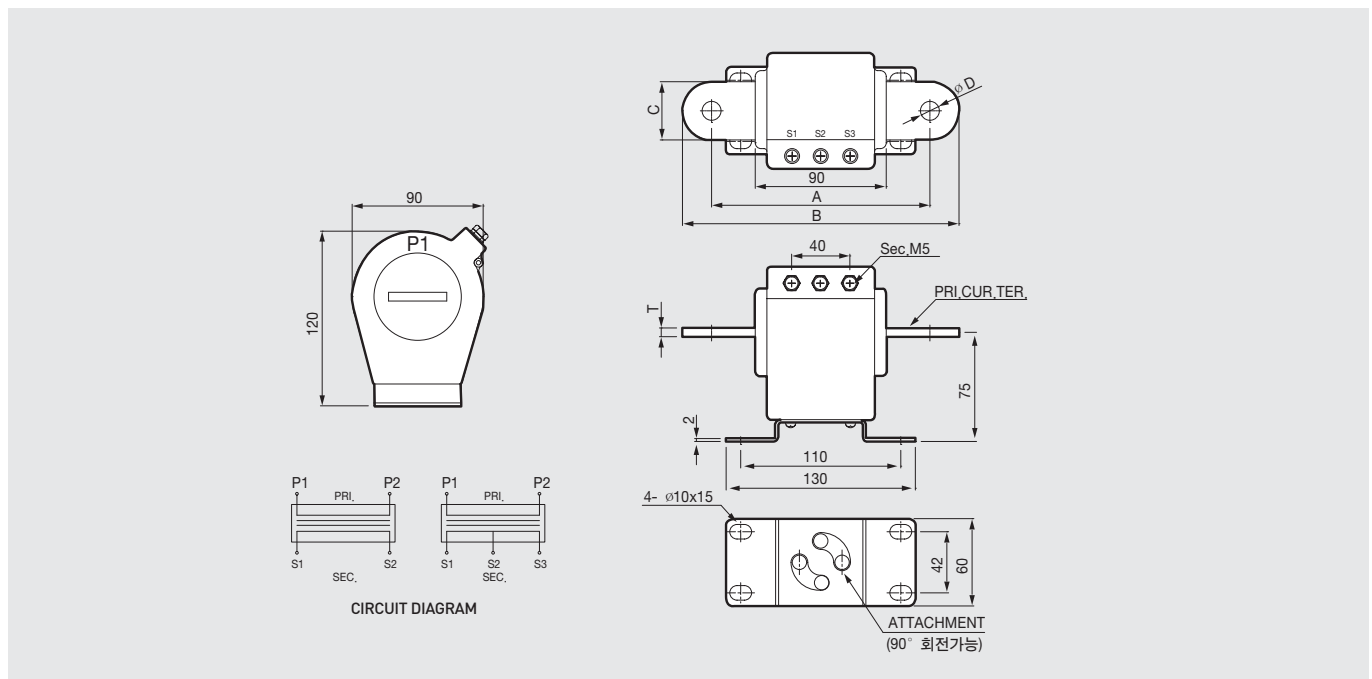
특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 취부형 / Busbar Type
- 에폭시 몰드형 / Epoxy Molded Type(Case: ABS)
- 60Hz, 40In/1s(Option: 50Hz)

사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)				
						A	B	C	T	D
CP - 2	5 ~ 150A 200 ~ 300A 400 ~ 600A 750 ~ 1000A	5A / 1A	0.5 / 1.0	15 VA	≒1.8	125	150	25	3.2	Ø10
			1.0	40 VA		135	165	30	5	Ø13
						150	190	40	6	Ø13
						150	190	50	8	Ø13
CP - 2R	5 ~ 150A 200 ~ 300A 400 ~ 600A	5A / 1A	5P10	5 VA	≒1.8	125	150	25	3.2	Ø10
						135	165	30	5	Ø13
						150	190	40	6	Ø13
CPD - 2	10-5 ~ 150-75A 200-100 ~ 300-150A 400-200 ~ 600-300A 800-400 ~ 1000-500A	5A / 1A	0.5 / 1.0	15 VA	≒1.8	125	150	25	3.2	Ø10
			1.0	40 VA		135	165	30	5	Ø13
						150	190	40	6	Ø13
						150	190	50	8	Ø13
CPD - 2R	10-5 ~ 150-75A 200-100 ~ 300-150A 400-200 ~ 600-300A	5A / 1A	5P10	5 VA	≒1.8	125	150	25	3.2	Ø10
						135	165	30	5	Ø13
						150	190	40	6	Ø13

외형치수 / Dimension





CSD-1~CSD-10

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

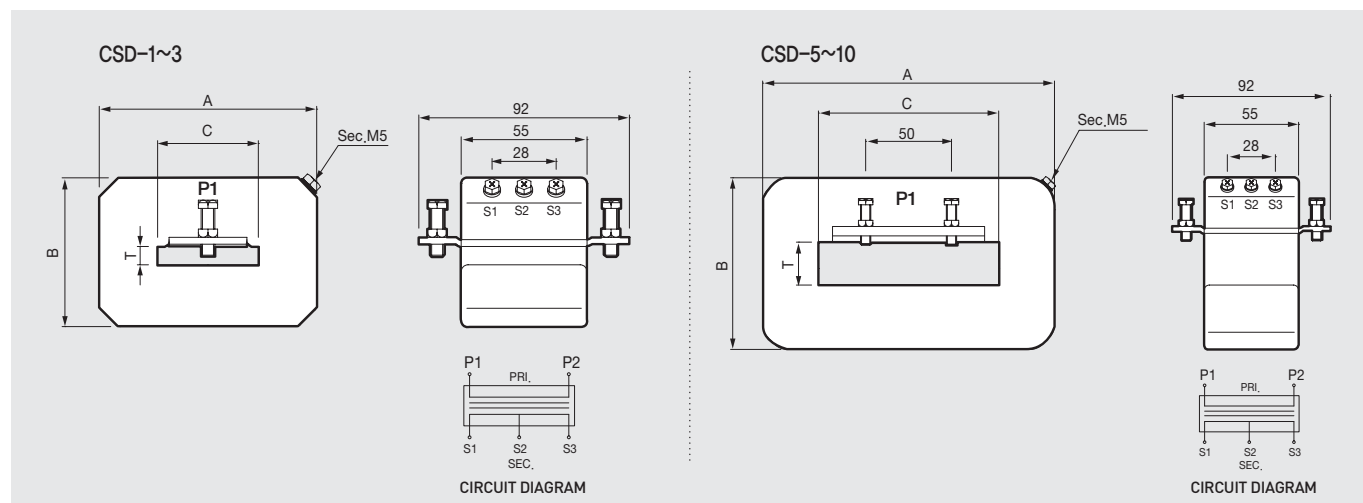
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 이중비 / Double Ratio
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case:ABS)
- 60 or 50Hz, 40In/1s

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부도 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)			
						A	B	C	T
CSD - 1	200-100A 300-150A	5A / 1A	1.0 / 3.0	5 VA	≒ 0.9	95	65	44	8
CSD - 3	400-200A 500-250A 600-300A	5A / 1A	1.0 / 3.0	5 VA	≒ 1.0	115	70	65	11
	600-300A			15 VA	≒ 1.0	115	70	65	11
CSD - 5	800-400/1000-500A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 1.2	135	75	80	15
CSD - 6	1200-600/1500-750/ 2000-1000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 1.6	155	90	105	25
CSD - 7	1200-600/1500-750/ 2000-1000/3000-1500A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 2.0	170	100	105	25
CSD - 84	2000-1000/3000-1500/ 4000-2000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 3.0	212	126	130	40
CSD - 9	2000-1000/3000-1500/ 4000-2000/5000-2500/ 6000-3000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 3.0	245	160	160	65
CSD - 10	2000-1000/3000-1500/ 4000-2000/5000-2500/ 6000-3000/8000-4000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 4.0	310	190	210	85

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

CS-1/3/4B/55/74/75/94

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

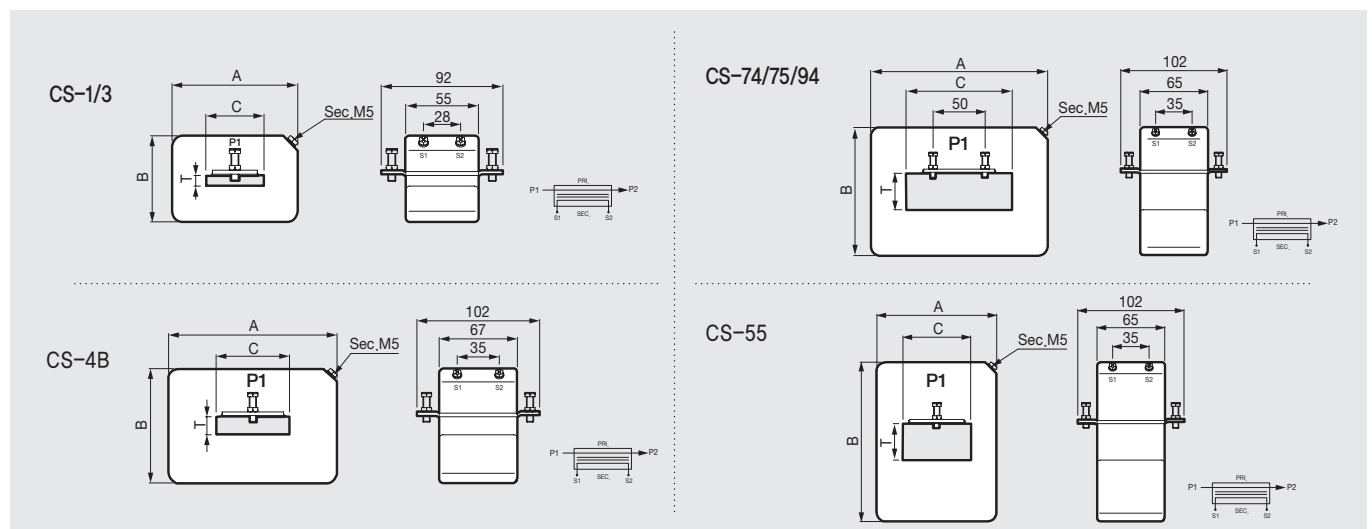
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)			
						A	B	C	T
CS - 1	100~300A	5A / 1A	1.0 / 3.0	5 VA	≒ 0.9	95	65	44	8
	200~300A			15 VA					
CS - 3	300~600A	5A / 1A	1.0 / 3.0	5 VA	≒ 1.0	115	70	65	11
	400~600A			15 / 40 VA					
CS - 4B	100~600A	5A / 1A	1.0 / 3.0	5 VA	≒ 3.5	140	105	61	15
	150~600A			15 VA					
	200~600A			40 VA					
CS - 55	200~2000A	5A / 1A	1.0 / 3.0	5 VA	≒ 3.0	115	153	65	35
	250~2000A			15 VA					
	400~2000A			40 VA					
CS - 74	750~2000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 3.0	170	123	102	35
CS - 75	500~1000A	5A / 1A	1.0 / 3.0	15 VA	≒ 4.0	175	158	125	35
	1200~2000A			30 VA					
	2500~4000A			40 VA					
CS - 94	2500~6000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 5.0	245	190	153	95

■ 외형치수 / Dimension





배전반용 / For Switchgear

CS-5/6/7/84/9/10

최고회로 전압

Max. Voltage : 0.72~1.2kV

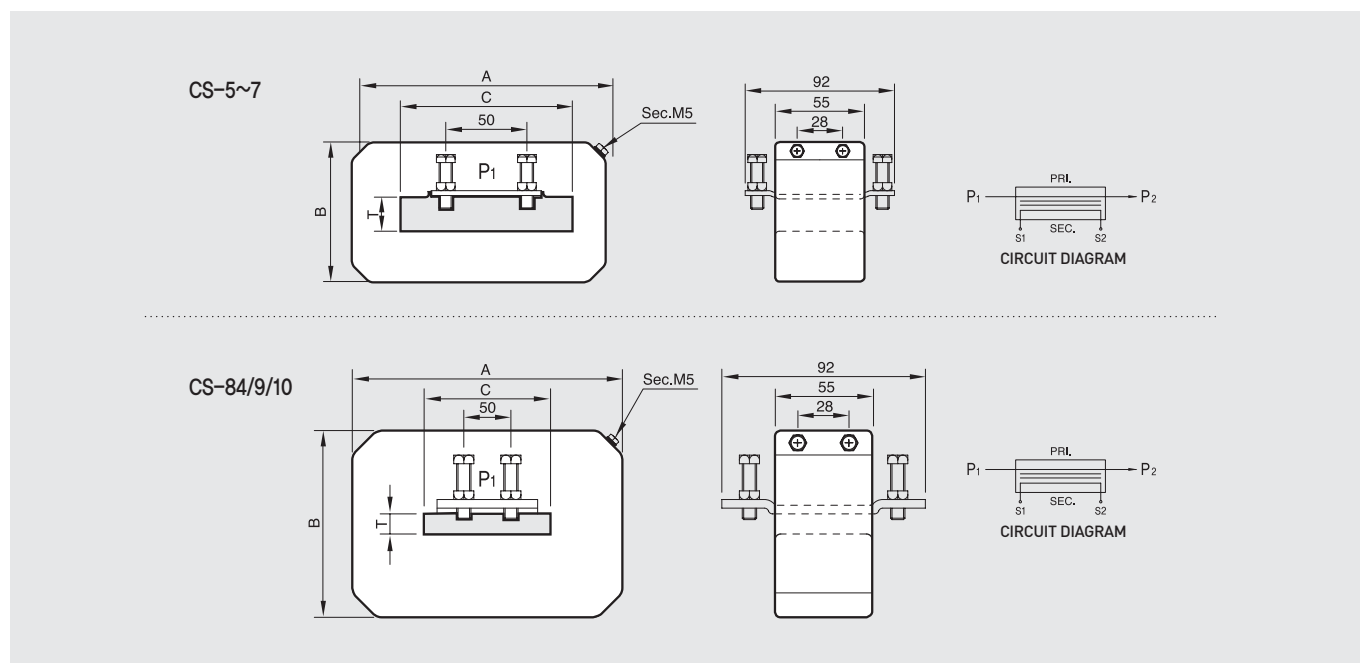
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
 - 각형 / Window Type
 - 옥내용 / For Indoor
 - 계기용 / Measuring Application
 - 부스바 관통형 / Busbar Through Type
 - 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
 - 60 or 50Hz, 40In/1s
- ※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	차수 / Dimension(mm)			
						A	B	C	T
CS-5	750~1000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 1.2	135	75	80	15
CS-6	1200~2000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 1.6	156	90	105	25
CS-7	1200~3000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 2.0	170	100	105	25
CS-84	1000~4000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 3.0	212	126	130	40
CS-9	1000~5000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 3.0	245	160	160	65
CS-10	1000~8000A	5A / 1A	1.0 / 3.0	5 / 15 / 40 VA	≒ 4.0	310	190	210	85

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

CS-7R/84R/9R/10R

최고회로 전압

Max. Voltage : 0.72~1.2 kV

■ 특징 / Feature

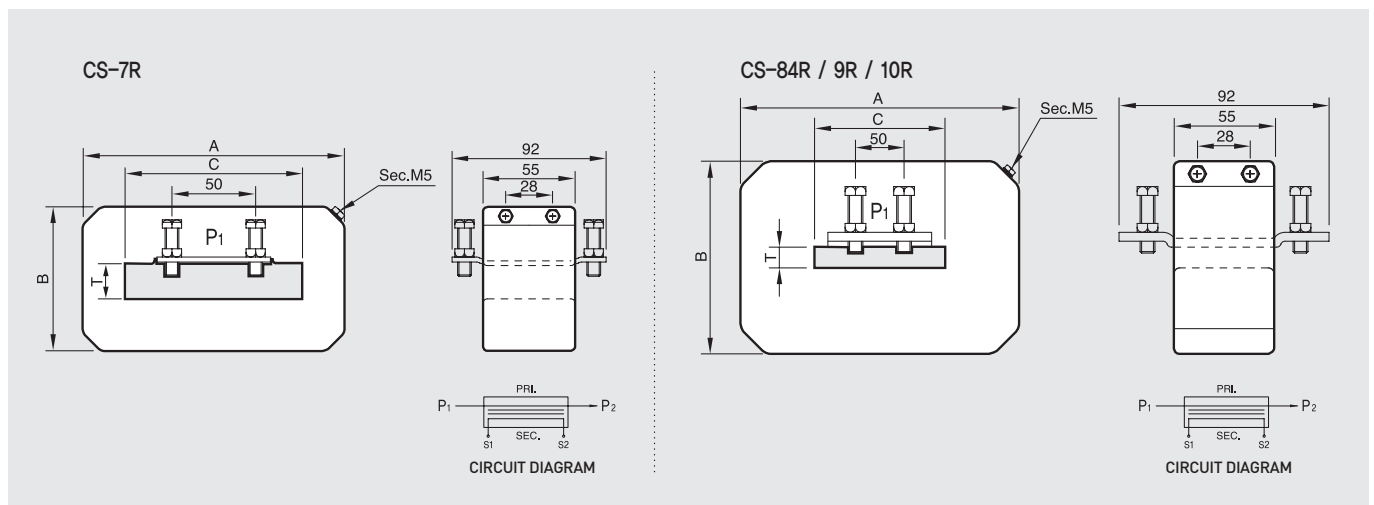
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 등, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)			
						A	B	C	T
CS - 7R	400~2500A	5A / 1A	5P10	5VA	≒ 2.0	170	100	105	25
	750~2500A			15VA					
	750~3000A		5P20	5VA					
CS - 84R	250~4000A	5A / 1A	5P10	5VA	≒ 4.8	212	126	130	40
	500~4000A			15VA					
	1200~4000A			40VA					
	400~4000A		5P20	5VA					
CS - 9R	300~5000A	5A / 1A	5P10	5VA	≒ 4.8	245	160	160	65
	900~5000A			15VA					
	2500~5000A			40VA					
	800~5000A		5P20	5VA					
	1500~5000A			10VA					
	2000~5000A			15VA					
CS - 10R	250~8000A	5A / 1A	5P10	5VA	≒ 7.0	310	190	210	85
	500~8000A			15VA					
	1500~6500A			40VA					
	600~8000A		5P20	5VA					
	1800~8000A			15VA					

■ 외형치수 / Dimension





배전반용 / For Switchgear

CS-4BR/4BWR

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

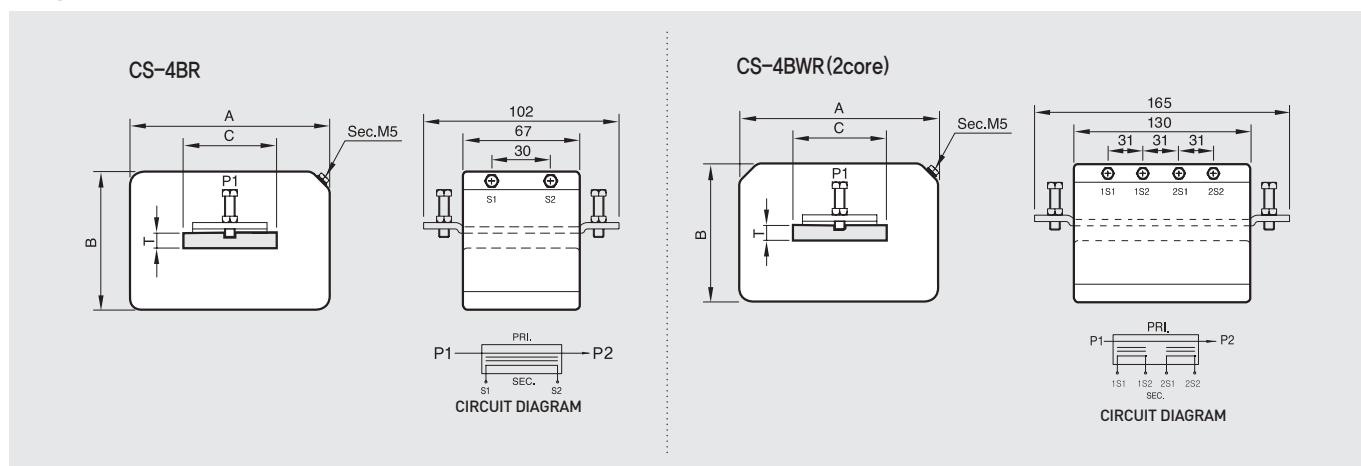
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사 체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)			
						A	B	C	T
CS - 4BR	150~600A	5A / 1A	5P10	5VA	≒ 3.5	140	105	61	15
	400~600A			15VA					
	300~600A		5P20	5VA					
CS - 4BWR	100~600A	5A / 1A	5P10	5VA	≒ 6.5	140	105	61	15
	200~600A			15VA					
	400~600A		5P20	30VA					
CS - 4BWR	150~600A	5A / 1A	1.0/5P10	5/5VA	≒ 6.5	140	105	61	15
	400~600A			15/15VA					
	250~600A		1.0/5P20	5/5VA					

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

CS-55R/74R/75R/94R/11R

최고회로 전압

Max. Voltage : 0.72~1.2kV

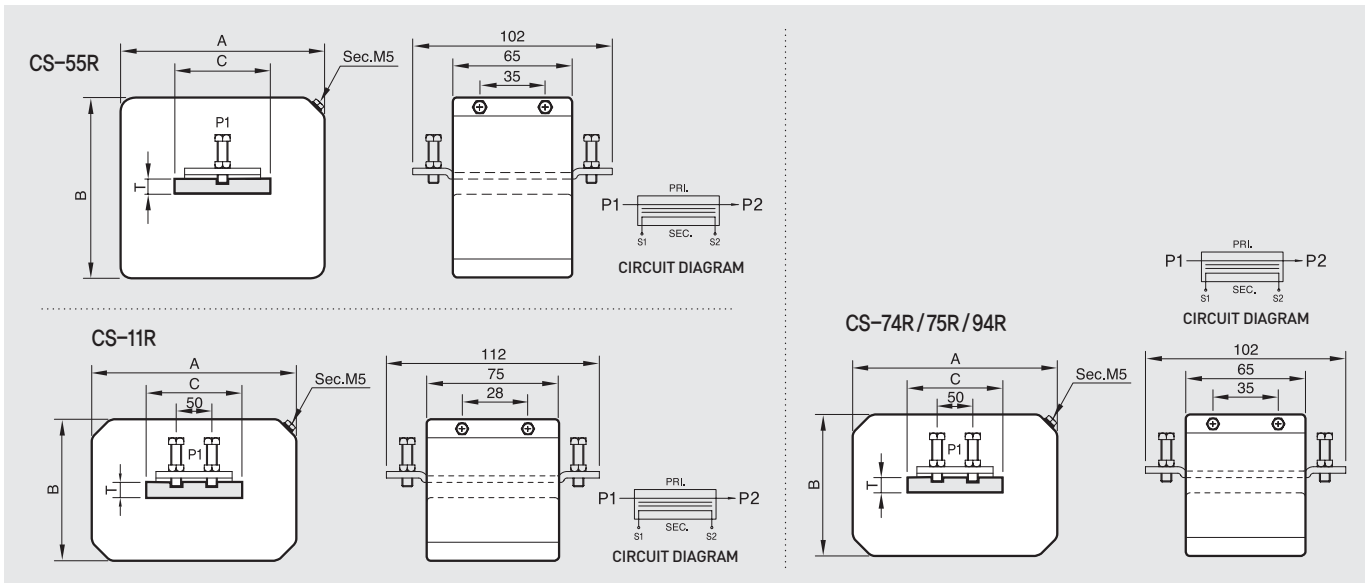
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s
- ※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
- 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치수 / Dimension(mm)			
						A	B	C	T
CS - 55R	200~2000A	5A / 1A	5P10	5VA	≒ 3.0	115	153	65	35
	750~2000A			15VA					
	1200~2000A			30VA					
CS - 74R	200~2000A	5A / 1A	5P10	5VA	≒ 3.0	170	123	102	35
	400~2000A			15VA					
	1000~2000A			40VA					
	300~2000A		5P20	5VA					
	1000~2000A			15VA					
CS - 75R	200~4000A	5A / 1A	5P10	5VA	≒ 4.0	175	158	125	35
	750~4000A			15VA					
	2500~4000A			40VA					
	800~4000A		5P20	5VA					
	150~6000A			15VA					
CS - 94R	500~6000A	5A / 1A	5P10	5VA	≒ 5.0	245	190	153	95
	1500~6000A			15VA					
	400~6000A			40VA					
	1000~5000A		5P20	5VA					
	3500~4000A			15VA					
CS - 11R	4000~8000A	5A / 1A	5P10	40VA	≒ 12	310	220	210	80
			5P20						

■ 외형치수 / Dimension





배전반용 / For Switchgear

CS-6WR/74WR/8WR

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

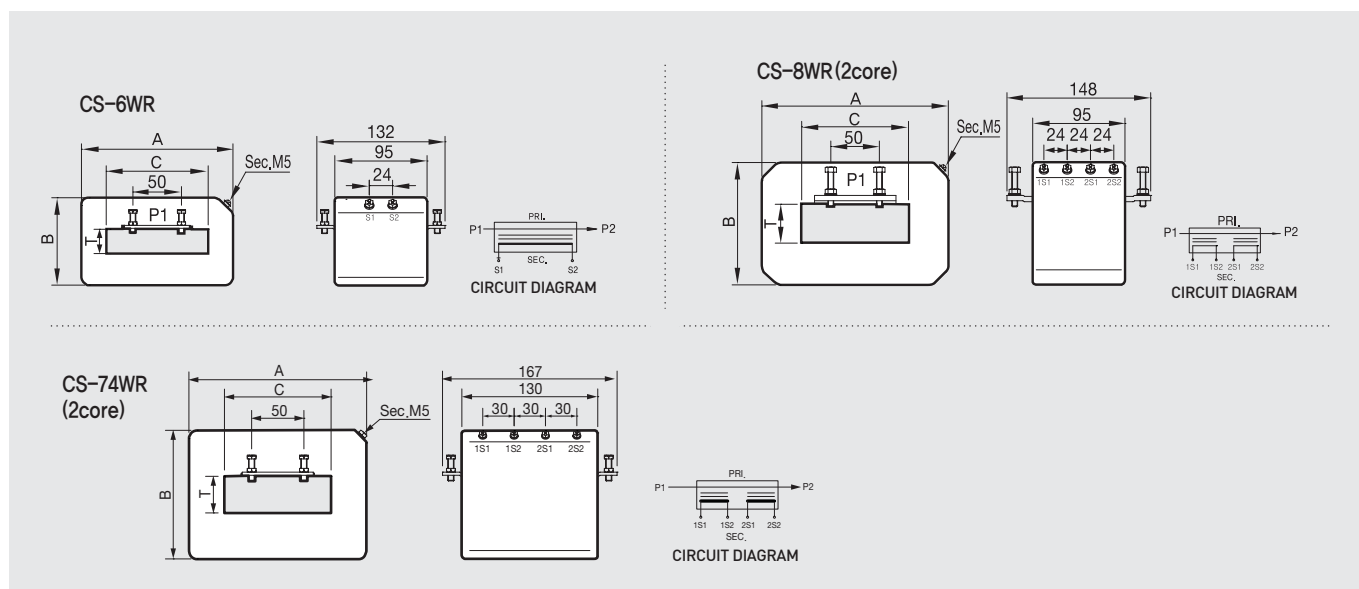
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치수 / Dimension(mm)			
						A	B	C	T
CS - 6WR	400~2000A	5A / 1A	5P10	5VA	≒ 4.0	156	90	105	25
	1200~2000A			15VA					
	1500~2000A			20VA					
CS - 8WR	200~3000A	5A / 1A	1.0/5P10	5/5VA	≒ 7.0	192	126	110	40
	500~3000A		1.0/5P20	15/15VA					
	400~3000A			5/5VA					
CS - 74WR	1200~3000A	5A / 1A	5P10	15/15VA	≒ 6.0	170	123	102	35
	80~2000A			5VA					
	200~2000A			15VA					
	500~2000A		5P20	40VA					
	150~2000A			5VA					
	400~2000A	5A / 1A	1.0/5P10	15VA					
	150~2000A			5/5VA					
	300~2000A			15/15VA					
	200~2000A		1.0/5P10	5/5VA					
	600~2000A			15/15VA					

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

CS-9WR / 10WR

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

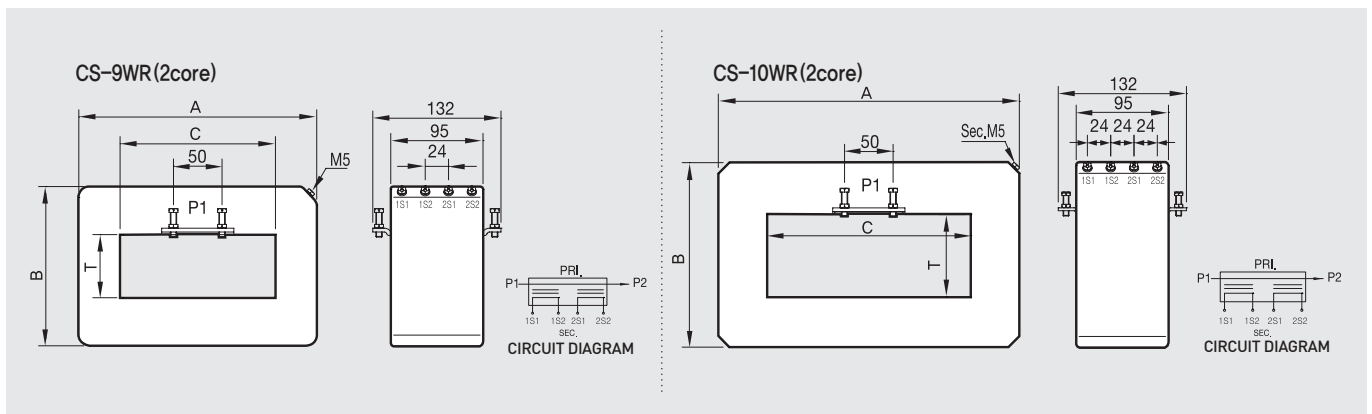
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치수 / Dimension(mm)			
						A	B	C	T
CS - 9WR	250~5000A	5A / 1A	1.0/5P10	5/5VA	≒ 9.0	245	164	160	65
	600~5000A			15/15VA					
	1500~5000A			40/40VA					
	500~5000A		1.0/5P20	5/5VA					
	1500~4000A			15/15VA					
CS - 10WR	250~5000A	5A / 1A	1.0/5P10	5/5VA	≒ 10.5	310	190	210	85
	500~5000A			15/15VA					
	1200~5000A		1.0/5P20	40/40VA					
	400~5000A			5/5VA					
	1200~5000A			15/15VA					

■ 외형치수 / Dimension



■ Memo

B

LVCT



저압 계기용 및 계전기용 변류기(삼상용)

LV Three Phase Current Transformer



배전반용 / For Switchgear

3CS(2CS)-100/225/400

최고회로 전압

Max. Voltage : 0.72~1.2 kV

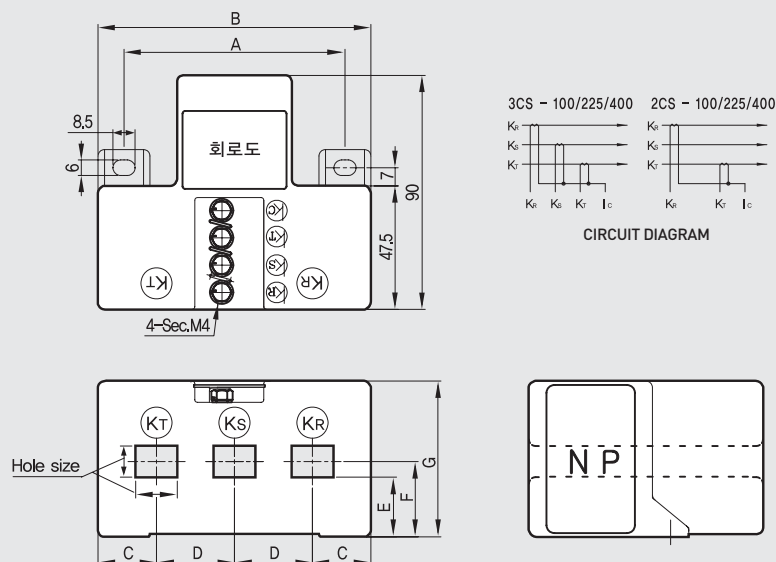
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 삼상용 / Three Phase
- 계기용 / Measuring Application
- 절연등급 / Insulation Class : B(85K)
- 에폭시 몰드형 / Epoxy Molded Type(Case:Lupoy)
- 60Hz, 40In/1s(Option: 50Hz)

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	MCCB & ELCB	중량 Weight(kg)	치 수 / Dimension(mm)							
							A	B	C	D	E	F	G	Hole size
3CS-100	100~200A	5A	1.0	5 VA	100 AF	≒ 0.8	85	105	22.5	30	23	29	60	16×12
2CS-100						≒ 0.6								
3CS-225	120~250A	5A	1.0	5 VA	225 AF	≒ 0.9	100	120	25	35	23	30.5	65	21×15
2CS-225						≒ 0.7								
3CS-400	300A	5A	1.0	15 VA	400 AF	≒ 1.2	125	145	28.5	44	32	43	85	31×22
2CS-400	400~600A					≒ 0.9								

■ 외형치수 / Dimension





배전반용 / For Switchgear

3CS(2CS)-630/800

최고회로 전압

Max. Voltage : 0.72~1.2 kV

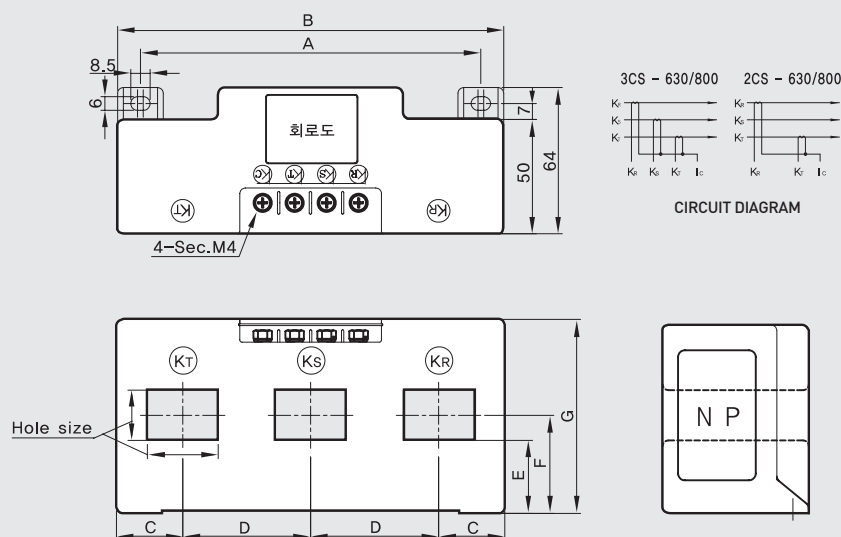
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 옥내용 / For Indoor
- 삼상용 / Three Phase
- 계기용 / Measuring Application
- 절연등급 / Insulation Class : B(85K)
- 에폭시 몰드형 / Epoxy Molded Type (Case: Lupoy)
- 60Hz, 40In/1s (Option: 50Hz)

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	MCCB & ELCB	중량 Weight(kg)	치 수 / Dimension (mm)							
							A	B	C	D	E	F	G	Hole size
3CS-630	300~600A	5A	1.0	15 VA	400 AF	≒ 1.3	149	170	29	56	32	43	85	31×22
2CS-630					≒ 1.0									
3CS-800	400~1000A	5A	1.0	15 VA	600 AF	≒ 1.6	195	215	37.5	70	38	52	95	45×28
2CS-800					800 AF	≒ 1.2								
					1000 AF									

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



DP-1(R)

배전반용/For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz
- ※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
- 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

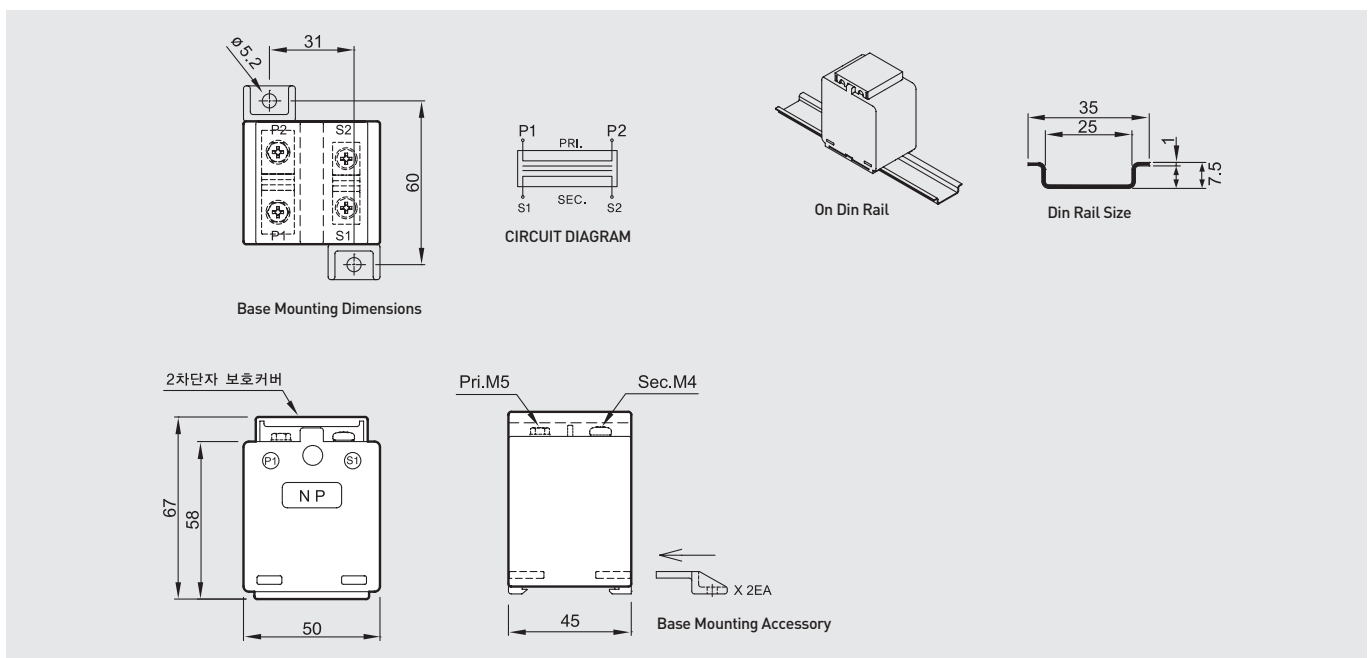
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DP-1	1A	5A / 1A	1.5VA	3.0VA
	5A		1.5VA	3.0VA
	10A		1.5VA	3.0VA
	15A		1.5VA	3.0VA
	20A		1.5VA	3.0VA
	25A		1.5VA	3.0VA
	30A		1.5VA	3.0VA
	40A		1.5VA	3.0VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10
DP-1R	1A	1A	0.1VA
	5A		0.1VA
	10A		0.1VA
	15A		0.1VA
	20A		0.1VA
	25A		0.1VA
	30A		0.1VA
	40A		0.1VA

■ 외형치수 / Dimension





DP-2 배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

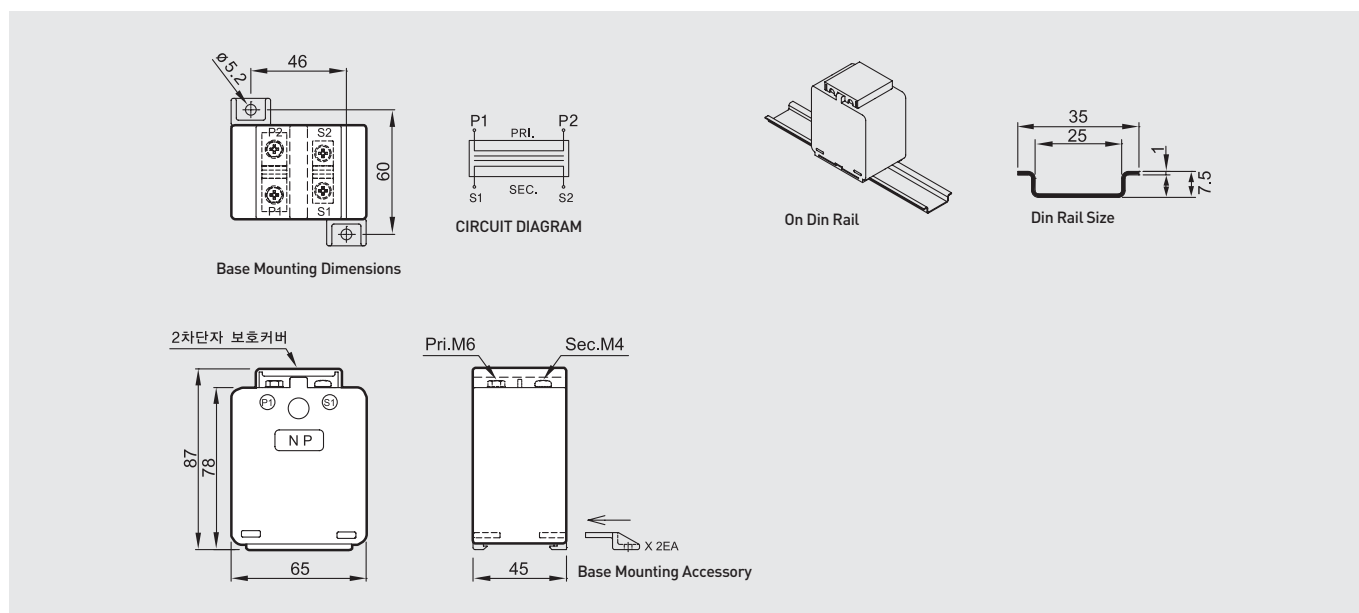
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz
- ※ Torque :
 - M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
 - 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DP-2	1A	5A / 1A	5.0VA	10VA
	5A		5.0VA	10VA
	10A		5.0VA	10VA
	15A		5.0VA	10VA
	20A		5.0VA	10VA
	25A		5.0VA	10VA
	30A		5.0VA	10VA
	40A		5.0VA	10VA
	50A		5.0VA	10VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



DP-3(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz
- ※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사 체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
- 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

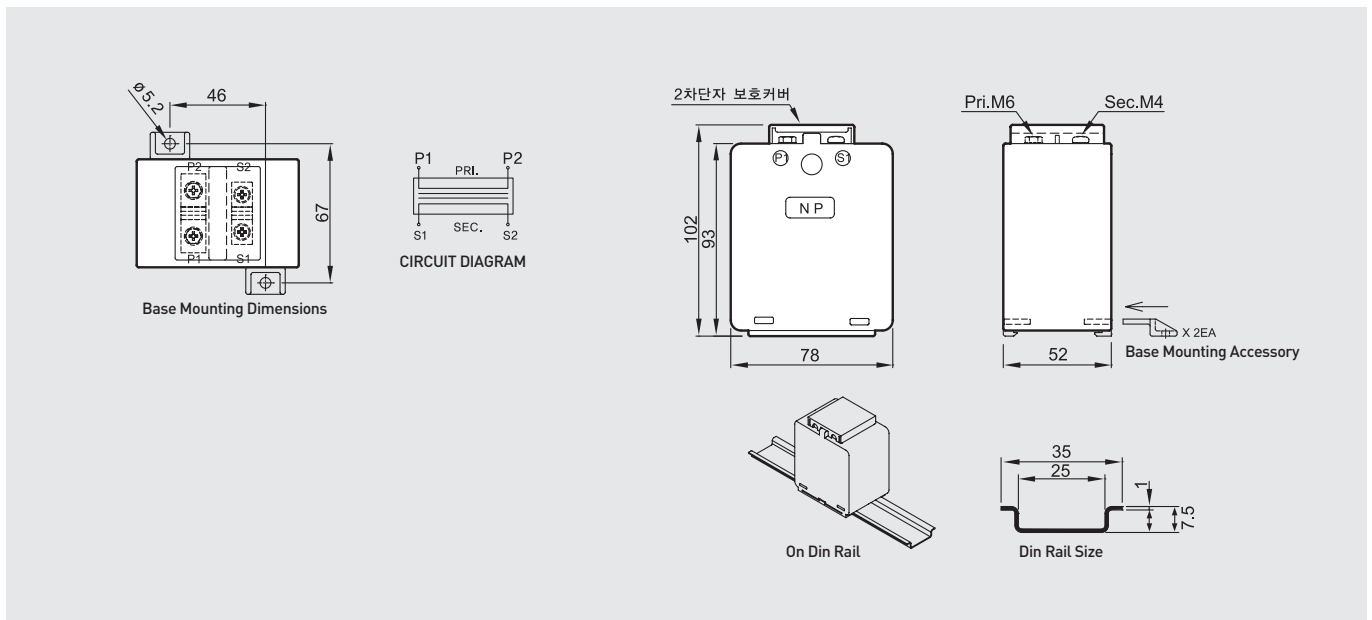
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DP-3	1A	5A / 1A	10VA	15VA
	5A		10VA	15VA
	10A		10VA	15VA
	15A		10VA	15VA
	20A		10VA	15VA
	25A		10VA	15VA
	30A		10VA	15VA
	40A		10VA	15VA
	50A		10VA	15VA
	60A		10VA	15VA
	75A		10VA	15VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DP-3R	1A	1A	0.4VA	0.2VA
	5A		0.4VA	0.2VA
	10A		0.4VA	0.2VA
	15A		0.4VA	0.2VA
	20A		0.4VA	0.2VA
	25A		0.4VA	0.2VA
	30A		0.4VA	0.2VA
	40A		0.4VA	0.2VA
	50A		0.4VA	0.2VA
	60A		0.4VA	0.2VA
	75A		0.4VA	0.2VA

■ 외형치수 / Dimension





DR-1 배전반용/For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 / Measuring Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 계기용 / Measuring Application (60Hz)

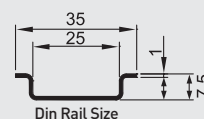
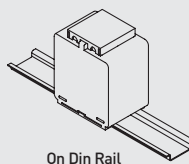
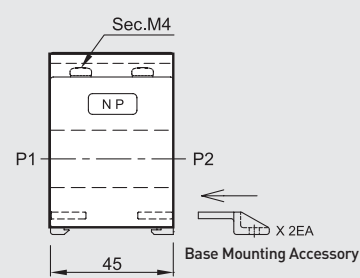
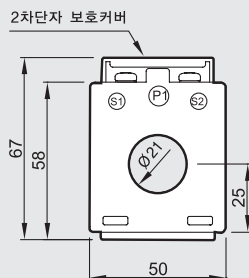
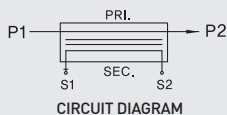
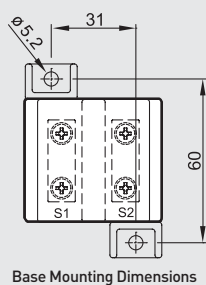
Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 1.0	계급 Class 3.0
DR-1	40A	5A / 1A	0.5VA	1.0VA
	50A		0.7VA	1.5VA
	60A		1.0VA	2.0VA
	75A		1.0VA	2.0VA
	80A		1.5VA	3.0VA
	100A		3.0VA	-
	120A		4.0VA	-
	150A		6.0VA	-
	200A		8.0VA	-
	250A		10VA	-

※ 2차 전류를 5A로 선정할 경우 Lead 부담 확인하세요.

■ 계기용 / Measuring Application (50Hz)

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 1.0	계급 Class 3.0
DR-1	40A	5A / 1A	0.3VA	1.0VA
	50A		0.6VA	1.5VA
	60A		0.8VA	2.0VA
	75A		1.0VA	2.0VA
	80A		1.5VA	3.0VA
	100A		3.0VA	-
	120A		3VA	-
	150A		5VA	-
	200A		5VA	-
	250A		10VA	-
	300A		12VA	-

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



DR-2(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

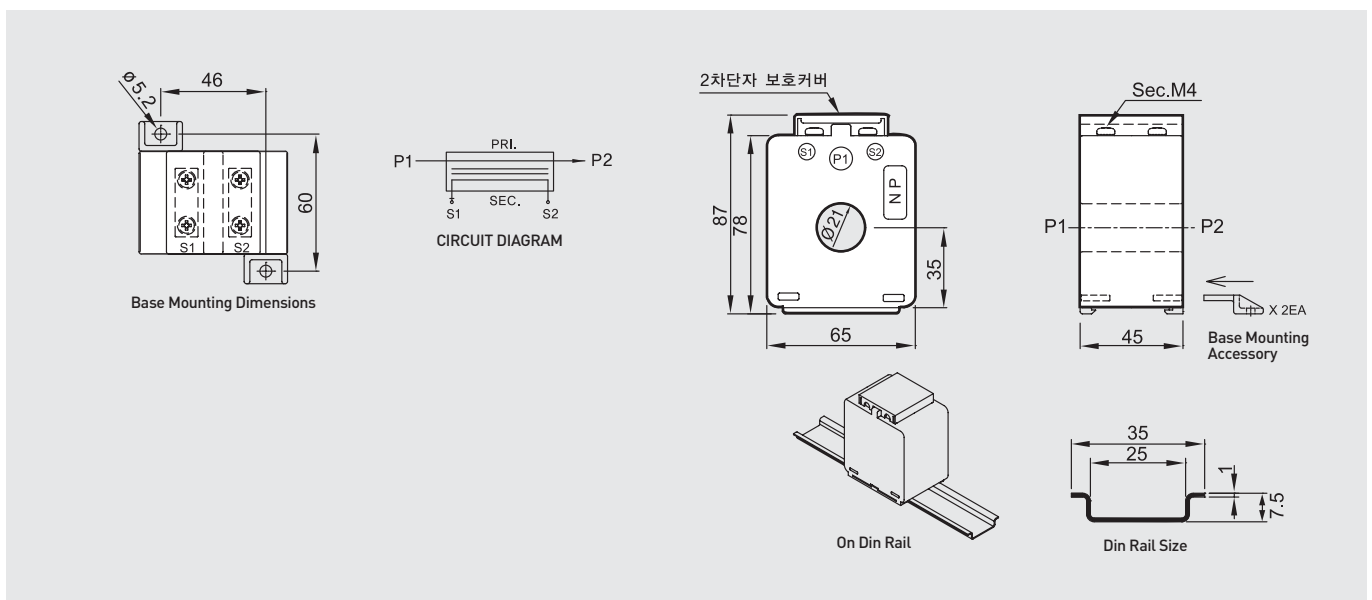
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-2	40A	5A / 1A	0.2VA	0.5VA
	50A		0.5VA	1VA
	60A		1VA	2VA
	75A		1.5VA	3VA
	80A		2.5VA	5VA
	100A		2.5VA	5VA
	120A		5VA	10VA
	150A		5VA	10VA
	200A		7.5VA	15VA
	250A		10VA	15VA
	300A		12.5VA	20VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DR-2R	40A	1A	0.4VA	0.2VA
	50A		0.4VA	0.2VA
	60A		0.6VA	0.3VA
	75A		0.6VA	0.3VA
	80A		0.8VA	0.4VA
	100A		1.0VA	0.5VA
	120A		1.0VA	0.5VA
	150A		1.4VA	0.7VA
	200A		2.0VA	1.0VA
	250A		2.0VA	1.0VA
	300A		2.0VA	1.0VA

■ 외형치수 / Dimension





DR-3(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

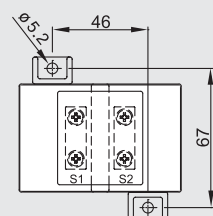
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-3	40A	5A / 1A	-	1VA
	50A		-	2VA
	60A		0.7VA	3VA
	75A		1VA	4VA
	80A		1.5VA	5VA
	100A		3VA	10VA
	120A		7.5VA	15VA
	150A		9.0VA	18VA
	200A		12VA	24VA
	250A		14VA	28VA
	300A		17.5VA	35VA
	400A		20VA	40VA
	500A		20VA	40VA

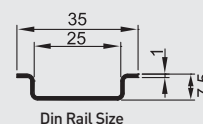
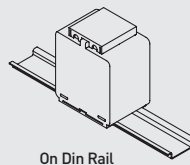
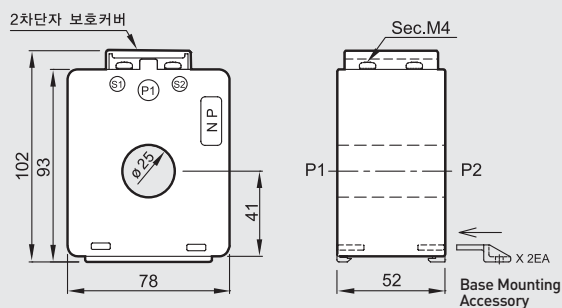
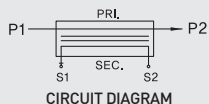
■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DR-3R	40A	1A	0.4VA	0.2VA
	50A		0.5VA	0.25VA
	60A		0.6VA	0.3VA
	75A		0.8VA	0.4VA
	80A		0.8VA	0.4VA
	100A		1.0VA	1.5VA
	120A		1.4VA	1.7VA
	150A		1.6VA	1.8VA
	200A		2.0VA	1.0VA
	250A		2.6VA	1.3VA
	300A		3.0VA	1.5VA
	400A		3.0VA	1.5VA
	500A		3.0VA	1.5VA

■ 외형치수 / Dimension



Base Mounting Dimensions





저압 계기용 및 계전기용 변류기

LV Current Transformer



DR-34(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

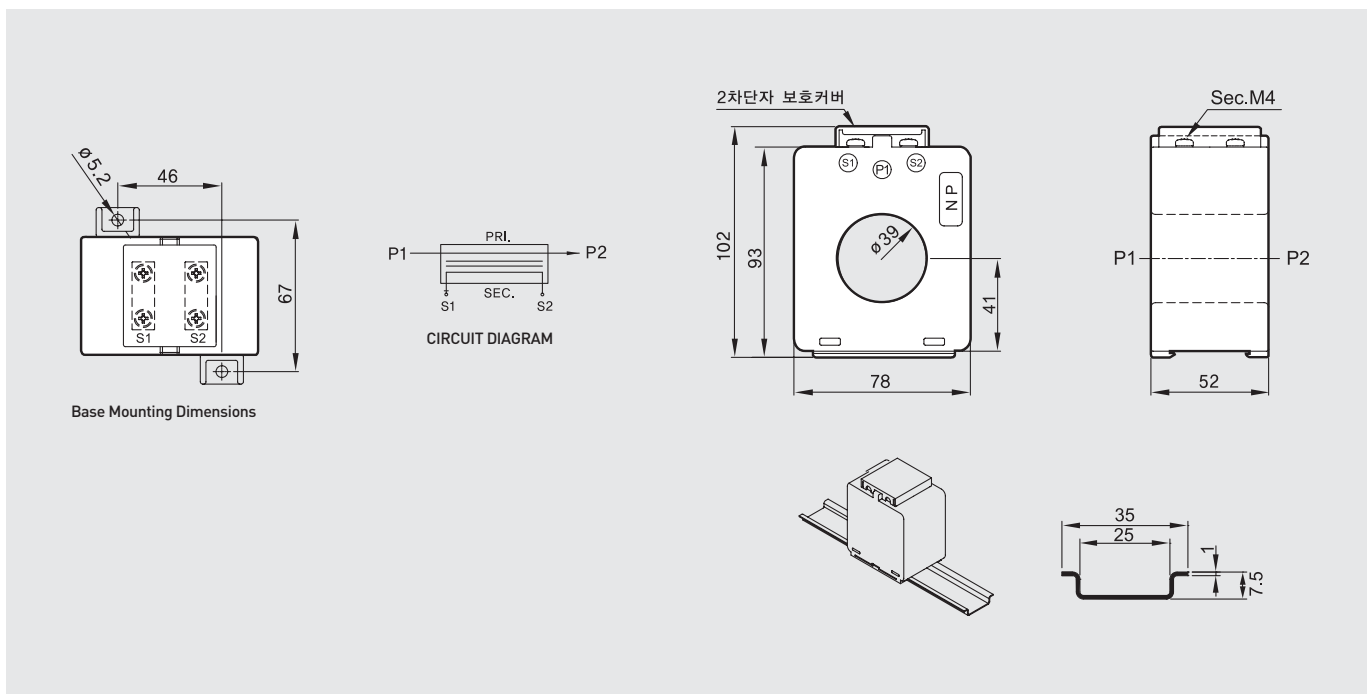
계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-34	300A	5A / 1A	10VA	20VA
	400A		15VA	25VA
	500A		20VA	30VA
	600A		20VA	30VA
	750A		20VA	30VA

계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10
DR-34R	300A	1A	0.5VA
	400A		0.5VA
	500A		0.5VA
	600A		0.4VA
	750A		0.4VA

외형치수 / Dimension





DR-345(R)

배전반용/For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

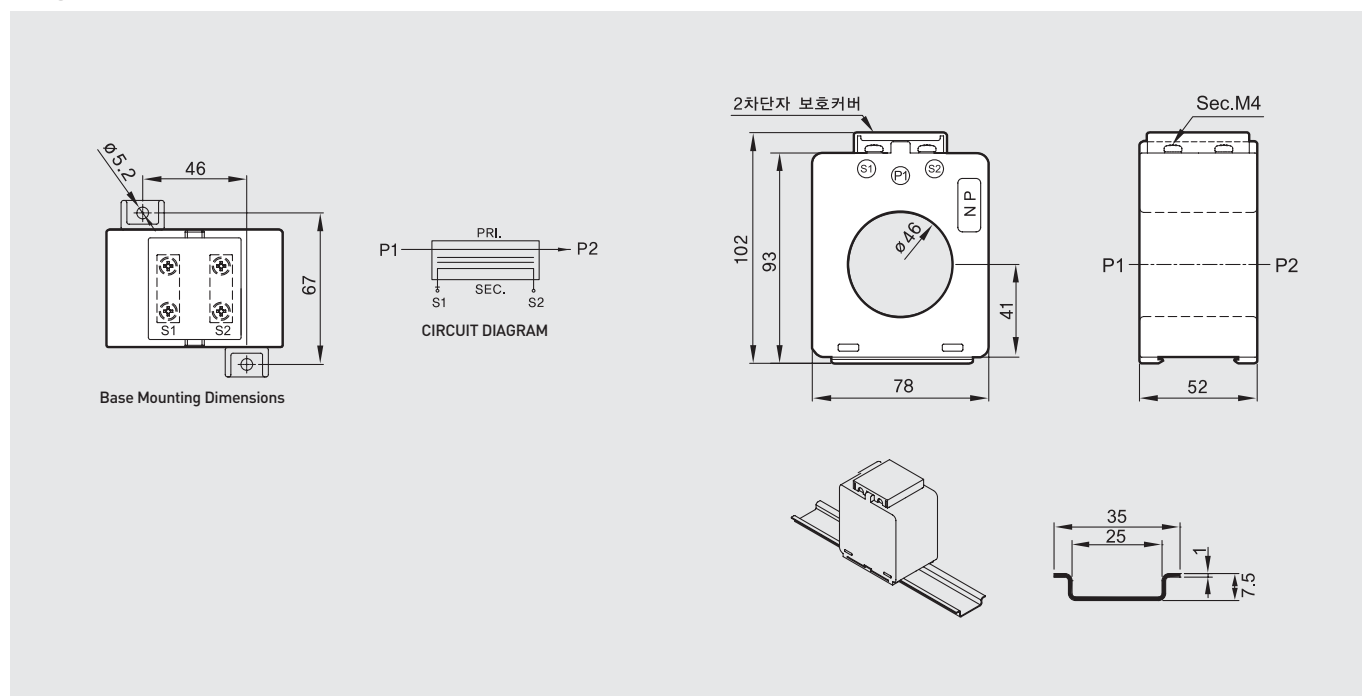
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-345	300A	5A / 1A	5VA	10VA
	400A		10VA	15VA
	500A		15VA	15VA
	600A		15VA	20VA
	750A		15VA	20VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10
DR-345R	300A	1A	0.4VA
	400A		0.3VA
	500A		0.3VA
	600A		0.3VA
	-		-

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



DR-4(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

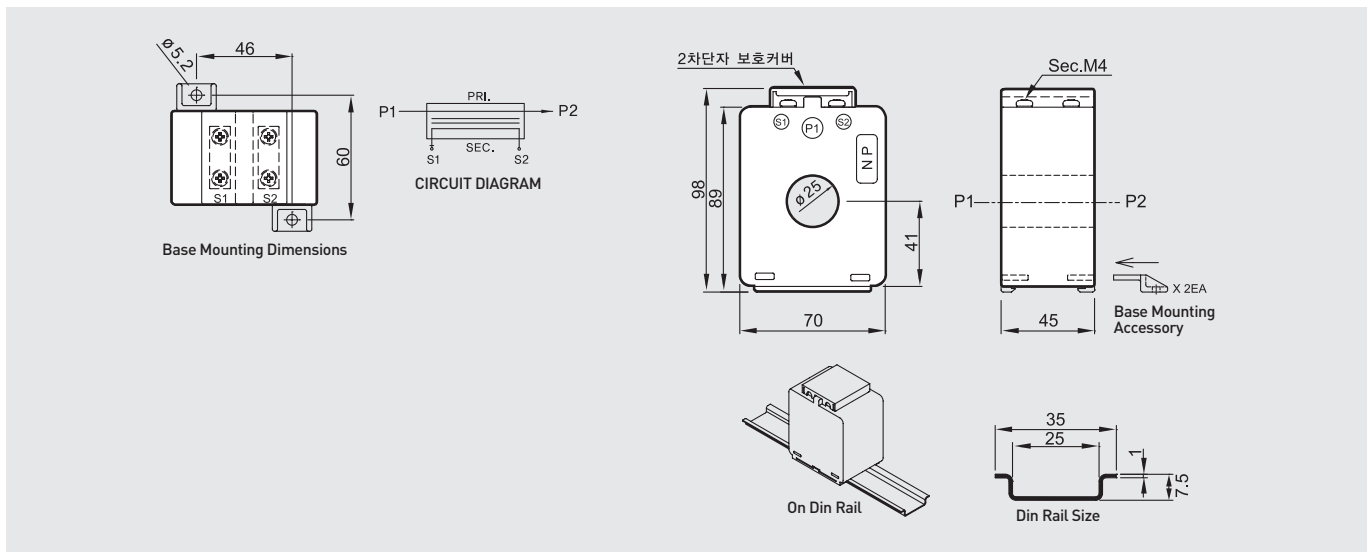
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-4	40A	5A / 1A	-	0.5VA
	50A		-	1VA
	60A		0.5VA	1.5VA
	75A		1VA	3VA
	80A		1VA	3VA
	100A		1.5VA	5VA
	120A		2.5VA	8VA
	150A		3VA	10VA
	200A		7.5VA	15VA
	250A		10VA	20VA
	300A		12.5VA	25VA
	400A		12.5VA	25VA
	500A		12.5VA	25VA
	600A		-	-

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DR-4R	40A	1A	0.2VA	0.1VA
	50A		0.3VA	0.15VA
	60A		0.4VA	0.2VA
	75A		0.4VA	0.2VA
	80A		0.4VA	0.2VA
	100A		0.6VA	0.3VA
	120A		0.8VA	0.4VA
	150A		0.8VA	0.4VA
	200A		1.2VA	0.6VA
	250A		1.2VA	0.6VA
	300A		1.2VA	0.6VA
	400A		1.2VA	0.6VA
	500A		1.2VA	0.6VA
	600A		-	-

■ 외형치수 / Dimension





DR-5(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 케이블 관통형 / Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 중, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

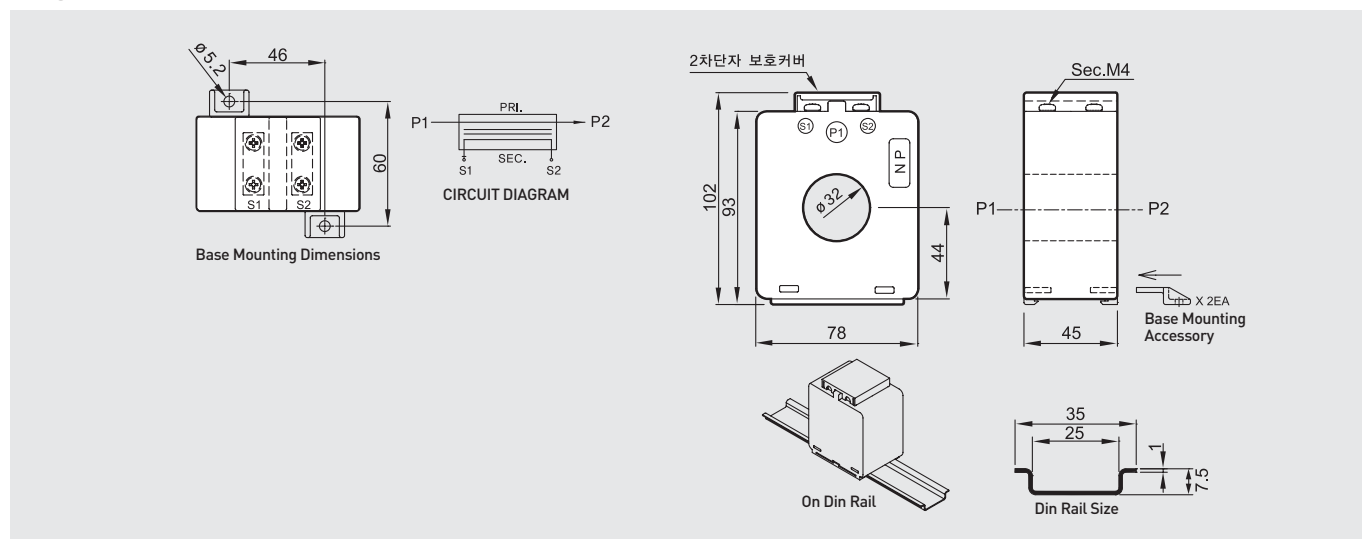
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DR-5	40A	5A / 1A	-	0.5VA
	50A		-	1VA
	60A		0.5VA	1.5VA
	75A		1VA	3VA
	80A		1VA	3VA
	100A		1.5VA	5VA
	120A		2.5VA	8VA
	150A		3VA	10VA
	200A		10VA	15VA
	250A		12.5VA	20VA
	300A		15VA	25VA
	400A		15VA	30VA
	500A		15VA	30VA
	600A		15VA	30VA
	750A		15VA	30VA
	800A		-	-

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DR-5R	40A	1A	0.3VA	0.15VA
	50A		0.4VA	0.2VA
	60A		0.4VA	0.2VA
	75A		0.6VA	0.3VA
	80A		0.6VA	0.3VA
	100A		0.8VA	0.4VA
	120A		1.0VA	0.5VA
	150A		1.2VA	0.6VA
	200A		1.4VA	0.7VA
	250A		1.4VA	0.7VA
	300A		1.4VA	0.7VA
	400A		1.4VA	0.7VA
	500A		1.4VA	0.7VA
	600A		1.4VA	0.7VA
	750A		1.4VA	0.7VA
	800A		-	-

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



DS-4(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

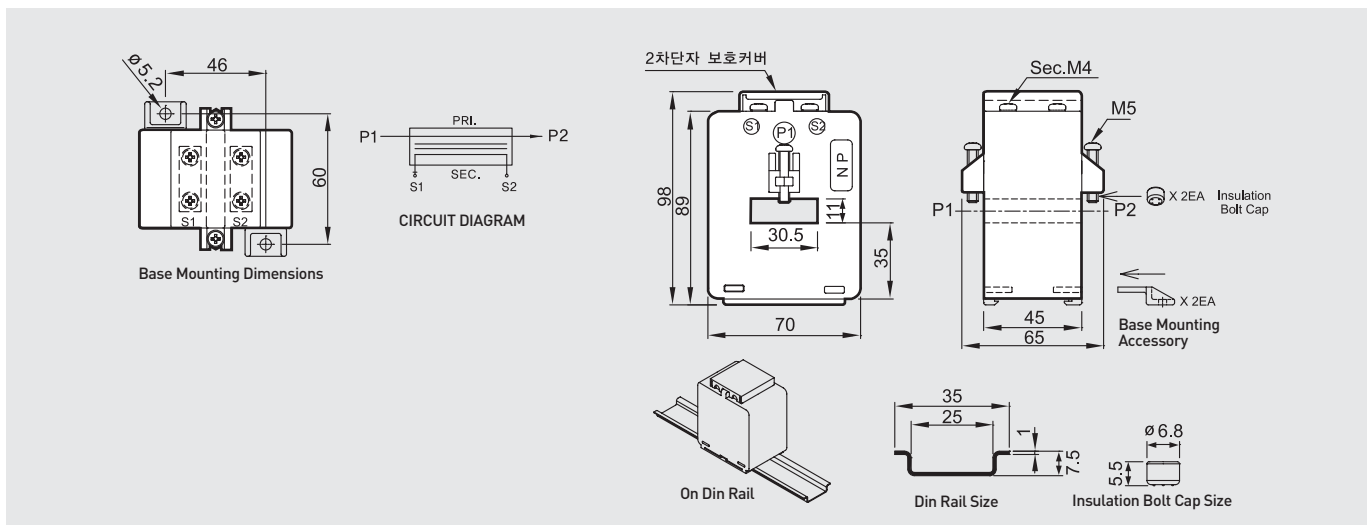
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-4	40A	5A / 1A	-	1.0VA
	50A		-	1.5VA
	60A		0.5VA	2.0VA
	75A		0.8VA	2VA
	80A		1VA	3VA
	100A		2.5VA	5.0VA
	120A		5.0VA	10VA
	150A		5.0VA	10VA
	200A		7.5VA	15VA
	250A		10VA	20VA
	300A		10VA	20VA
	400A		12.5VA	25VA
	500A		12.5VA	25VA
	600A		15VA	30VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-4R	40A	1A	0.2VA	0.05VA
	50A		0.2VA	0.1VA
	60A		0.2VA	0.1VA
	75A		0.3VA	0.15VA
	80A		0.4VA	0.2VA
	100A		0.4VA	0.2VA
	120A		0.6VA	0.3VA
	150A		0.6VA	0.3VA
	200A		0.8VA	0.4VA
	250A		1.0VA	0.5VA
	300A		1.0VA	0.5VA
	400A		1.0VA	0.5VA
	500A		1.0VA	0.5VA
	600A		1.0VA	0.5VA

■ 외형치수 / Dimension





DS-5(R)

배전반용/For Switchgear

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- Din Rail용
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

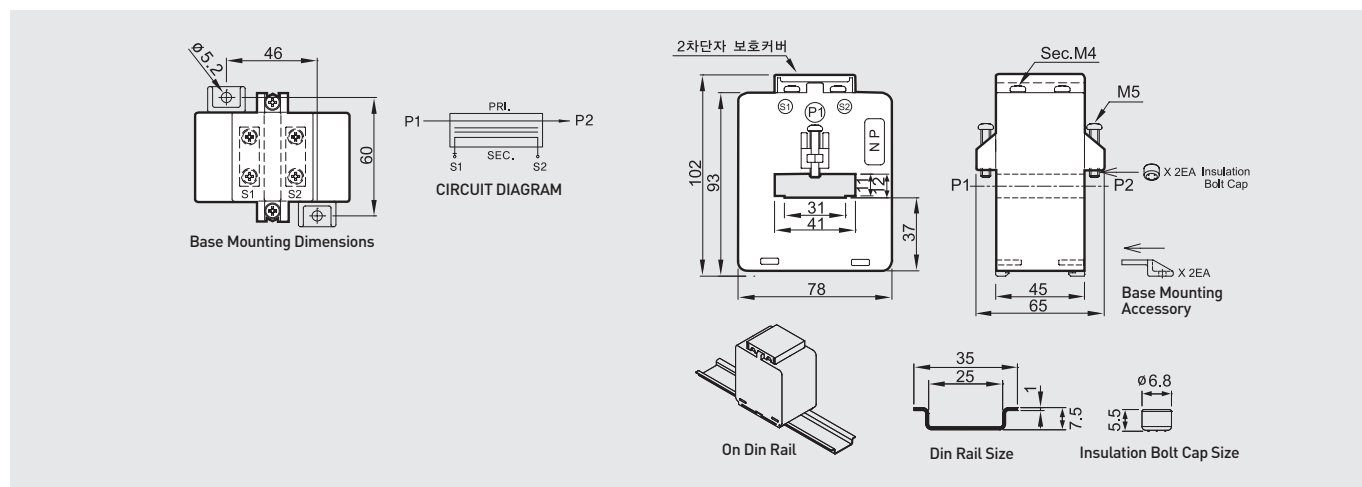
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-5	40A	5A / 1A	-	-
	50A		-	0.5VA
	60A		-	0.8VA
	75A		0.5VA	1VA
	80A		0.5VA	1.5VA
	100A		1VA	2.5VA
	120A		2.5VA	5.0VA
	150A		2.5VA	5.0VA
	200A		5.0VA	10VA
	250A		7.5VA	15VA
	300A		10VA	20VA
	400A		10VA	20VA
	500A		12.5VA	25VA
	600A		12.5VA	25VA
	750A		15VA	30VA
	800A		20VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-5R	40A	1A	0.2VA	0.1VA
	50A		0.2VA	0.1VA
	60A		0.4VA	0.2VA
	75A		0.4VA	0.2VA
	80A		0.4VA	0.2VA
	100A		0.6VA	0.3VA
	120A		0.6VA	0.3VA
	150A		0.8VA	0.4VA
	200A		1.0VA	0.5VA
	250A		1.0VA	0.5VA
	300A		1.0VA	0.5VA
	400A		1.0VA	0.5VA
	500A		1.0VA	0.5VA
	600A		1.0VA	0.5VA
	750A		1.0VA	0.5VA
	800A		1.0VA	0.5VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-51(R) / 51X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

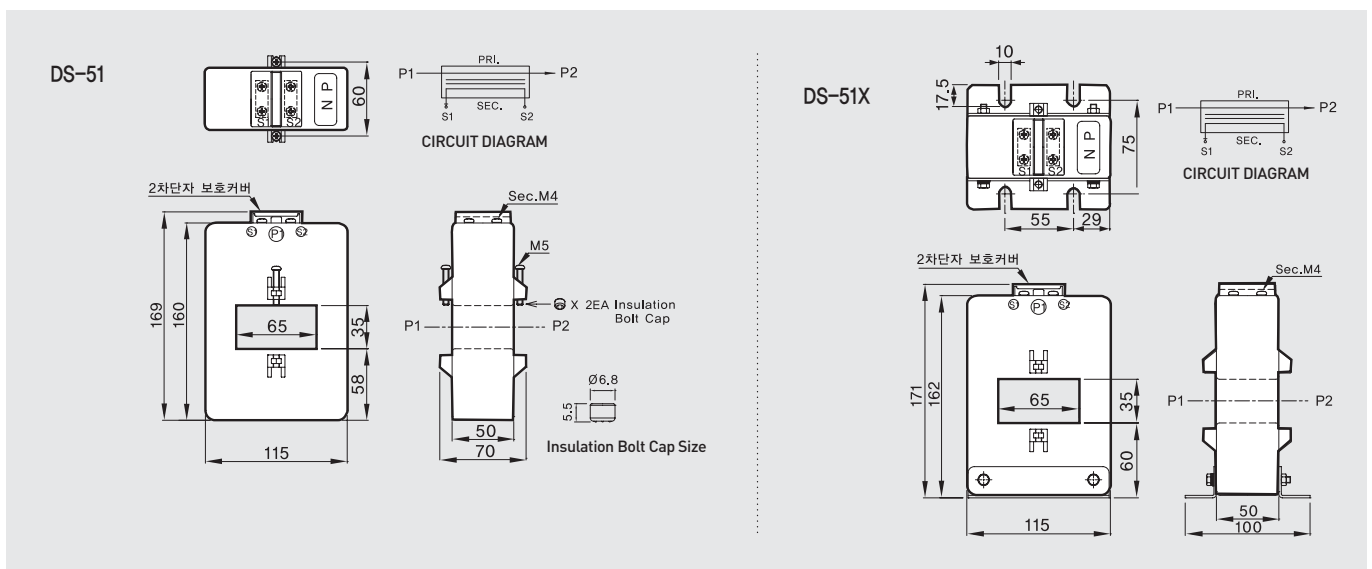
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-51	200A	5A / 1A	2VA	5VA
	250A		5VA	10VA
	300A		7.5VA	15VA
	400A		10VA	20VA
	500A		10VA	25VA
	600A		15VA	30VA
	700A		20VA	40VA
	800A		20VA	40VA
	1200A		20VA	40VA
	1500A		20VA	40VA
	2000A		20VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-51R	200A	1A	3VA	1VA
	250A		4VA	1.5VA
	300A		5VA	2VA
	400A		6VA	2.5VA
	500A		8VA	3VA
	600A		8VA	3VA
	700A		8VA	3VA
	800A		8VA	3VA
	1200A		8VA	3VA
	1500A		8VA	3VA
	2000A		8VA	-

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-52(R) / 52X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

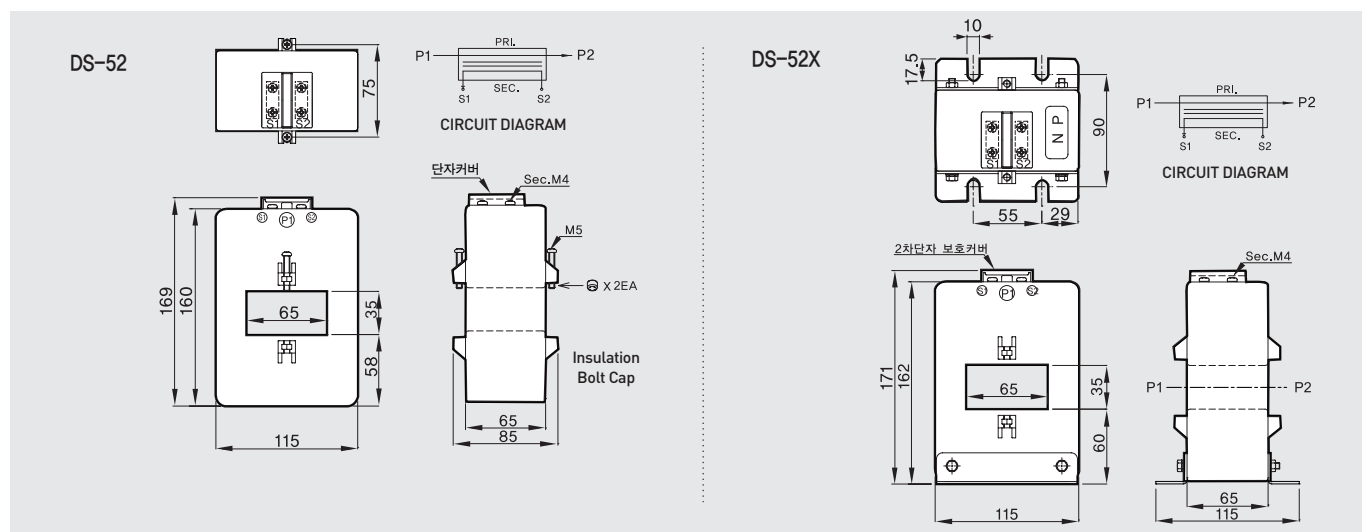
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-52	100A	5A / 1A	—	2VA
	120A		—	3VA
	150A		—	5VA
	200A		5VA	10VA
	250A		7VA	15VA
	300A		12.5VA	25VA
	400A		15VA	30VA
	500A		20VA	40VA
	600A		20VA	40VA
	700A		30VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-52R	100A	5A / 1A	2VA	1VA
	120A		3VA	1.5VA
	150A		4VA	2VA
	200A		5VA	2VA
	250A		6VA	3VA
	300A		7VA	3.5VA
	400A		10VA	4VA
	500A		12VA	5VA
	600A		15VA	6VA
	700A		15VA	6VA
	800A		15VA	6VA
	1000A		15VA	6VA
	1200A		15VA	6VA
	1500A		15VA	6VA
	2000A		15VA	6VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

DS-53(R) / 53X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz
- ※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
- 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

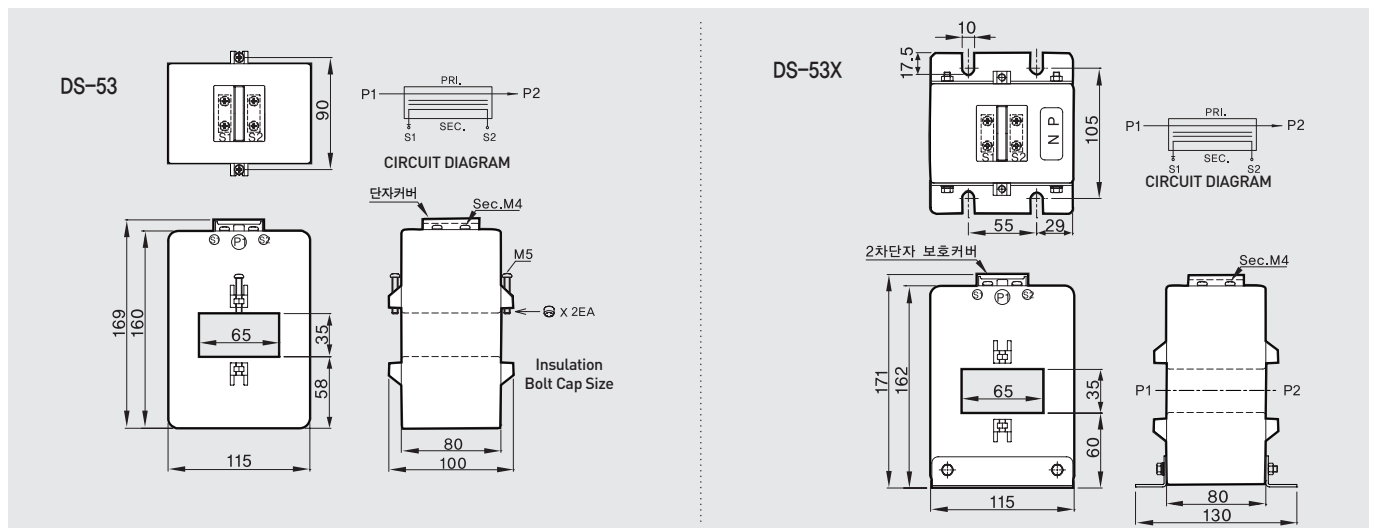
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-53	100A	5A / 1A	2VA	5VA
	120A		5VA	10VA
	150A		7.5VA	15VA
	200A		10VA	20VA
	250A		10VA	25VA
	300A		15VA	30VA
	400A		20VA	40VA
	500A		20VA	40VA
	600A		20VA	40VA
	700A		20VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-53R	100A	5A / 1A	3VA	2VA
	120A		4VA	2VA
	150A		5VA	2.5VA
	200A		7VA	3.5VA
	250A		9VA	4VA
	300A		10VA	5VA
	400A		13VA	6VA
	500A		15VA	8VA
	600A		17VA	8VA
	700A		20VA	10VA
	800A		24VA	10VA
	1000A		28VA	10VA
	1200A		30VA	13VA
	1500A		30VA	15VA
	2000A		30VA	15VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-61(R) / 61X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

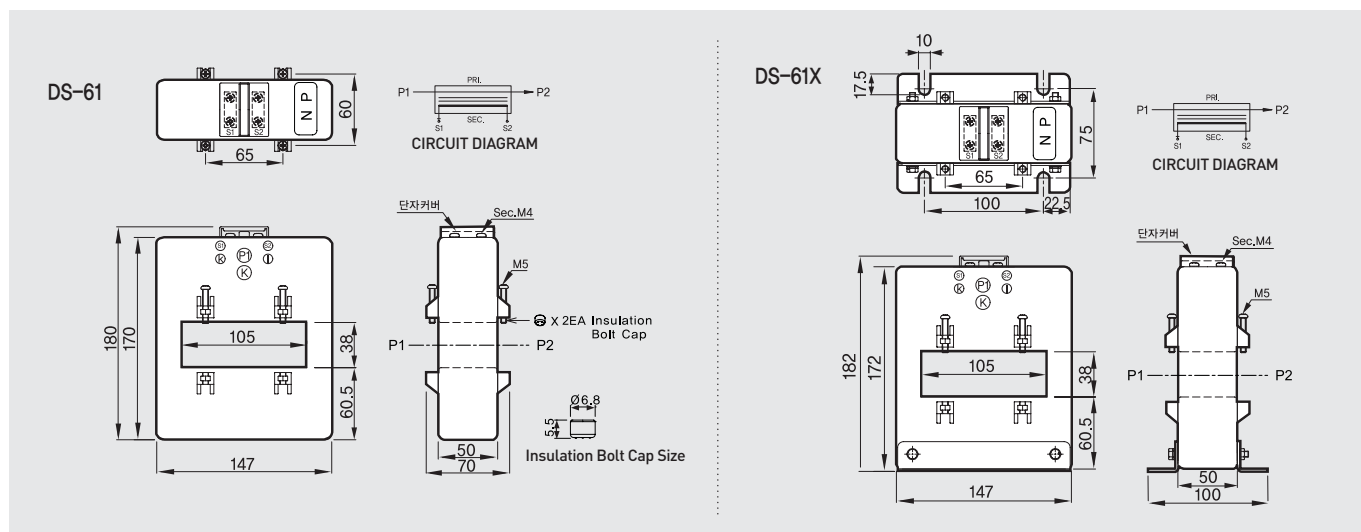
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-61	150A	5A / 1A	-	2VA
	200A		1VA	5VA
	250A		2VA	8VA
	300A		5VA	10VA
	400A		10VA	15VA
	500A		15VA	15VA
	600A		15VA	15VA
	700A		20VA	20VA
	800A		25VA	25VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-61R	150A	5A / 1A	2VA	-
	200A		2.5VA	-
	250A		3VA	1VA
	300A		4VA	1VA
	400A		5VA	1.7VA
	500A		6VA	2VA
	600A		5VA	2VA
	700A		7VA	2VA
	800A		8VA	2.5VA
	1000A		10VA	3VA
	1200A		12VA	4VA
	1500A		15VA	5VA
	2000A		15VA	5VA
	2500A		15VA	5VA
	3000A		15VA	5VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

DS-62(R) / 62X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

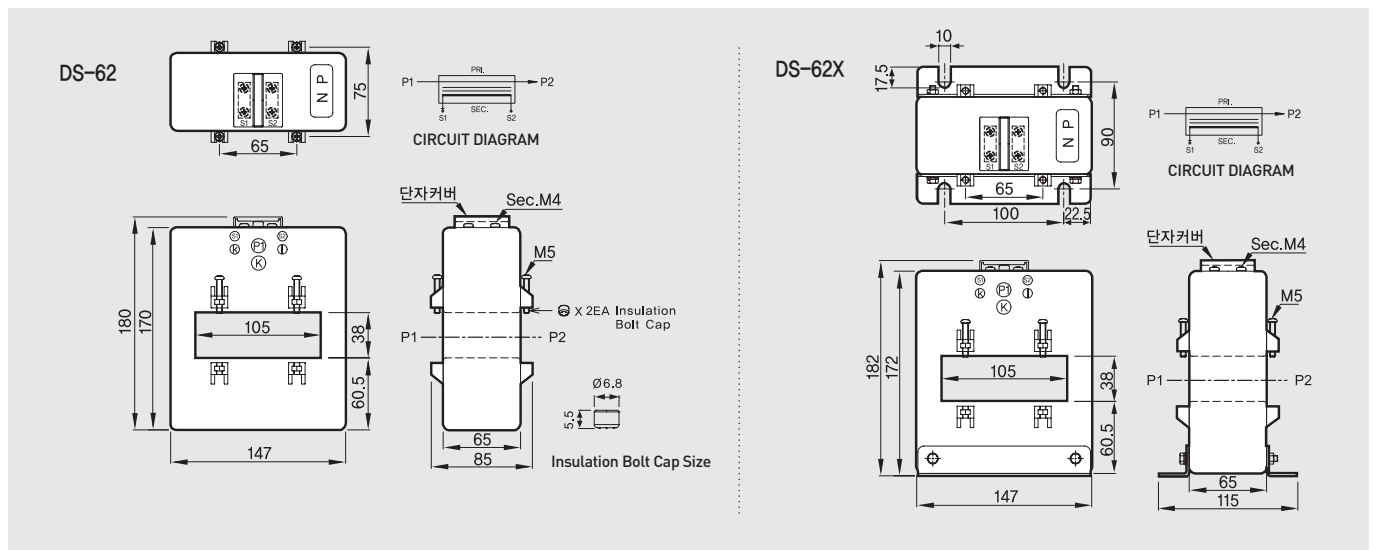
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-62	150A	5A / 1A	-	3VA
	200A		2VA	5VA
	250A		3VA	10VA
	300A		5VA	15VA
	400A		15VA	25VA
	500A		20VA	30VA
	600A		20VA	30VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-62R	150A	5A / 1A	3VA	1VA
	200A		4VA	1VA
	250A		5VA	1.5VA
	300A		5VA	2VA
	400A		8VA	2.5VA
	500A		10VA	3VA
	600A		10VA	3VA
	700A		12VA	4VA
	800A		15VA	5VA
	1000A		18VA	6VA
	1200A		20VA	6VA
	1500A		25VA	8VA
	2000A		30VA	10VA
	2500A		30VA	10VA
	3000A		30VA	10VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-63(R) / 63X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

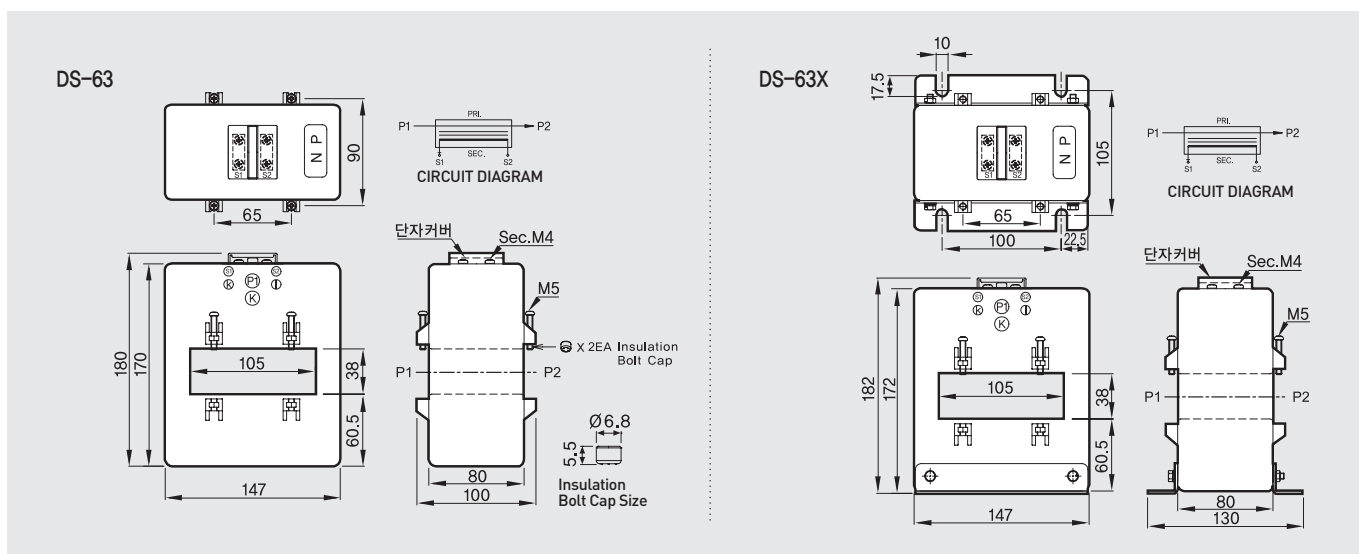
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-63	150A	5A / 1A	1VA	3VA
	200A		3VA	8VA
	250A		5VA	15VA
	300A		10VA	20VA
	400A		15VA	30VA
	500A		20VA	40VA
	600A		25VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-63R	150A	5A / 1A	3VA	1.5VA
	200A		5VA	2VA
	250A		6VA	2.5VA
	300A		8VA	3VA
	400A		10VA	4VA
	500A		13VA	5VA
	600A		15VA	7VA
	700A		15VA	8VA
	800A		18VA	8VA
	1000A		24VA	10VA
	1200A		29VA	10VA
	1500A		35VA	12VA
	2000A		40VA	12VA
	2500A		40VA	15VA
	3000A		40VA	15VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer

배전반용 / For Switchgear

DS-71(R) / 71X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부동 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

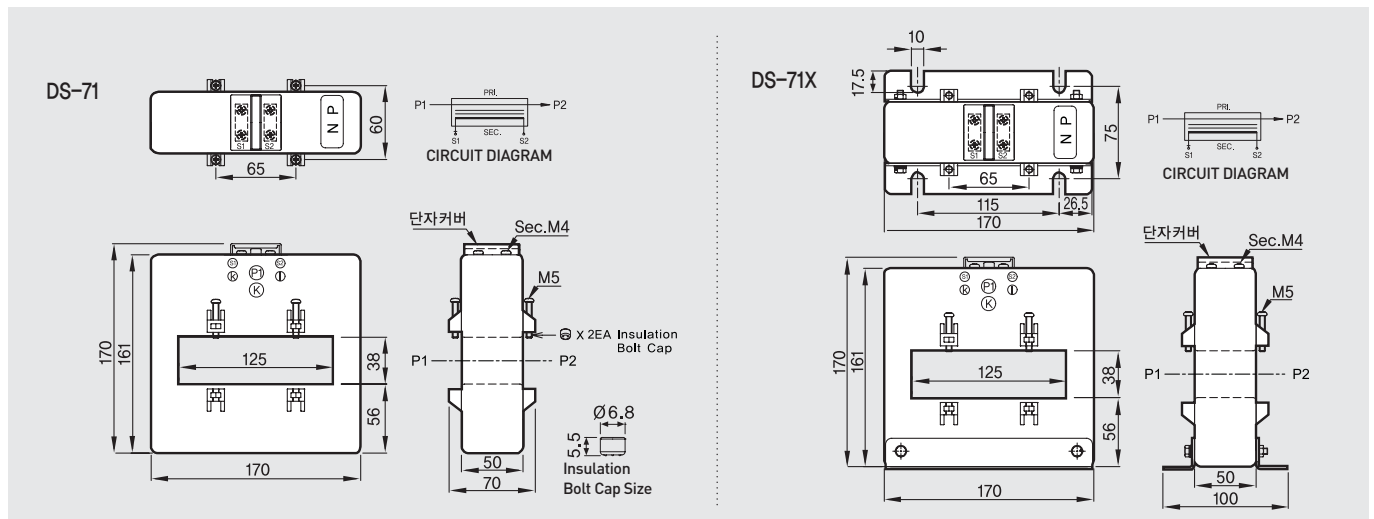
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-71	150A	5A / 1A	1VA	2VA
	200A		2VA	4VA
	250A		4VA	8VA
	300A		6VA	12VA
	400A		10VA	20VA
	500A		20VA	25VA
	600A		25VA	25VA
	700A		30VA	30VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-71R	150A	5A / 1A	2VA	-
	200A		3VA	1VA
	250A		4VA	1.4VA
	300A		5VA	1.6VA
	400A		6VA	2.2VA
	500A		8VA	2.7VA
	600A		10VA	3.2VA
	700A		10VA	3.5VA
	800A		12VA	4VA
	1000A		15VA	5VA
	1200A		18VA	6VA
	1500A		18VA	6VA
	2000A		24VA	6VA
	2500A		25VA	6VA
	3000A		24VA	6VA
	3200A		24VA	6VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-72(R) / 72X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

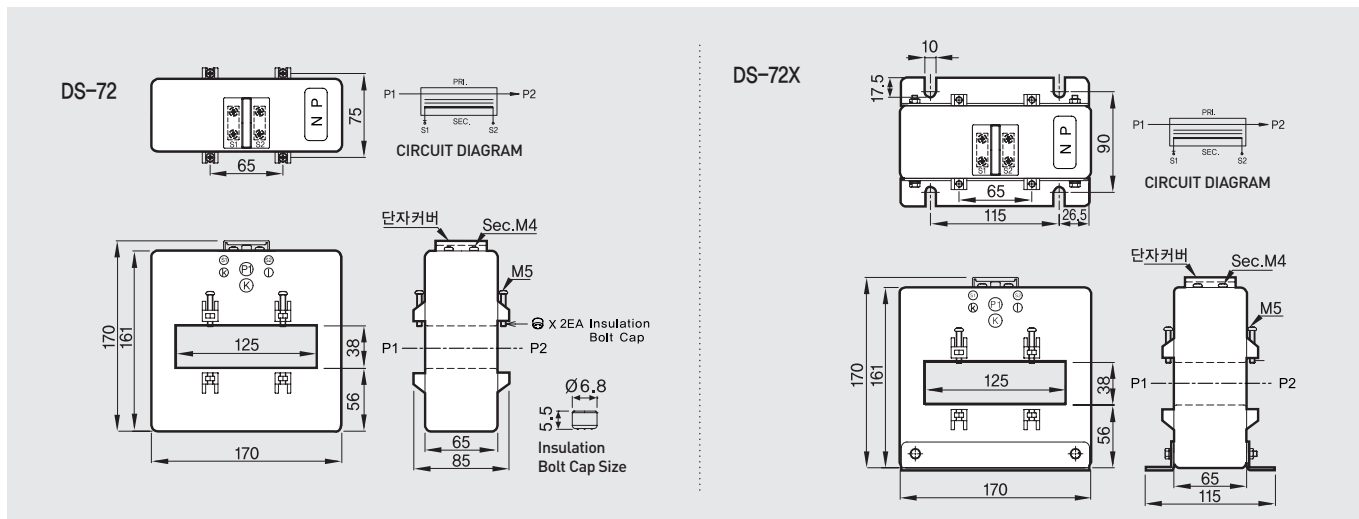
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-72	150A	5A / 1A	1VA	2VA
	200A		3VA	5VA
	250A		4VA	10VA
	300A		7VA	15VA
	400A		10VA	20VA
	500A		20VA	30VA
	600A		30VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-72R	150A	5A / 1A	2VA	1.5VA
	200A		4VA	2VA
	250A		6VA	2.5VA
	300A		7VA	3VA
	400A		9VA	4VA
	500A		12VA	5VA
	600A		14VA	6VA
	700A		16VA	7VA
	800A		18VA	8VA
	1000A		24VA	10VA
	1200A		28VA	10VA
	1500A		30VA	13VA
	2000A		35VA	15VA
	2500A		40VA	15VA
	3000A		40VA	15VA
	3200A		40VA	15VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-73(R) / 73X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

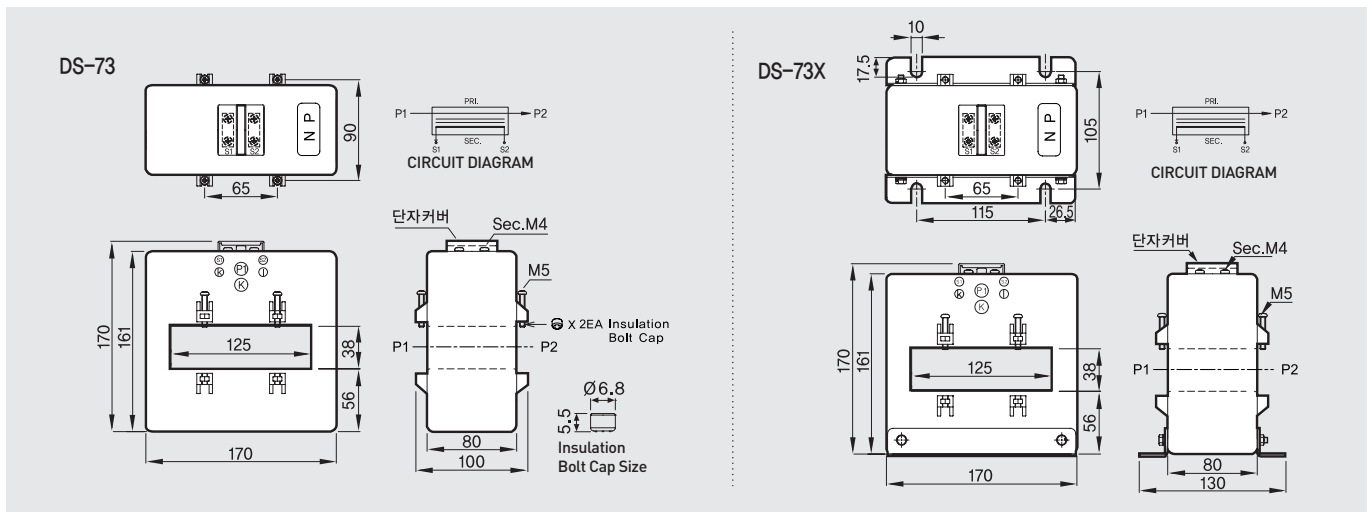
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-73	100A	5A / 1A	-	2VA
	150A		2VA	5VA
	200A		5VA	10VA
	250A		8VA	15VA
	300A		12VA	30VA
	400A		20VA	40VA
	500A		40VA	40VA
	600A		40VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-73R	100A	5A / 1A	2VA	1VA
	150A		5VA	2VA
	200A		6VA	2.5VA
	250A		8VA	3VA
	300A		10VA	4VA
	400A		12VA	5VA
	500A		15VA	6VA
	600A		18VA	7.5VA
	700A		20VA	9VA
	800A		23VA	10VA
	1000A		30VA	12VA
	1200A		35VA	13VA
	1500A		40VA	15VA
	2000A		40VA	18VA
	2500A		40VA	23VA
	3000A		40VA	25VA
	3200A		40VA	25VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-81(R) / 81X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

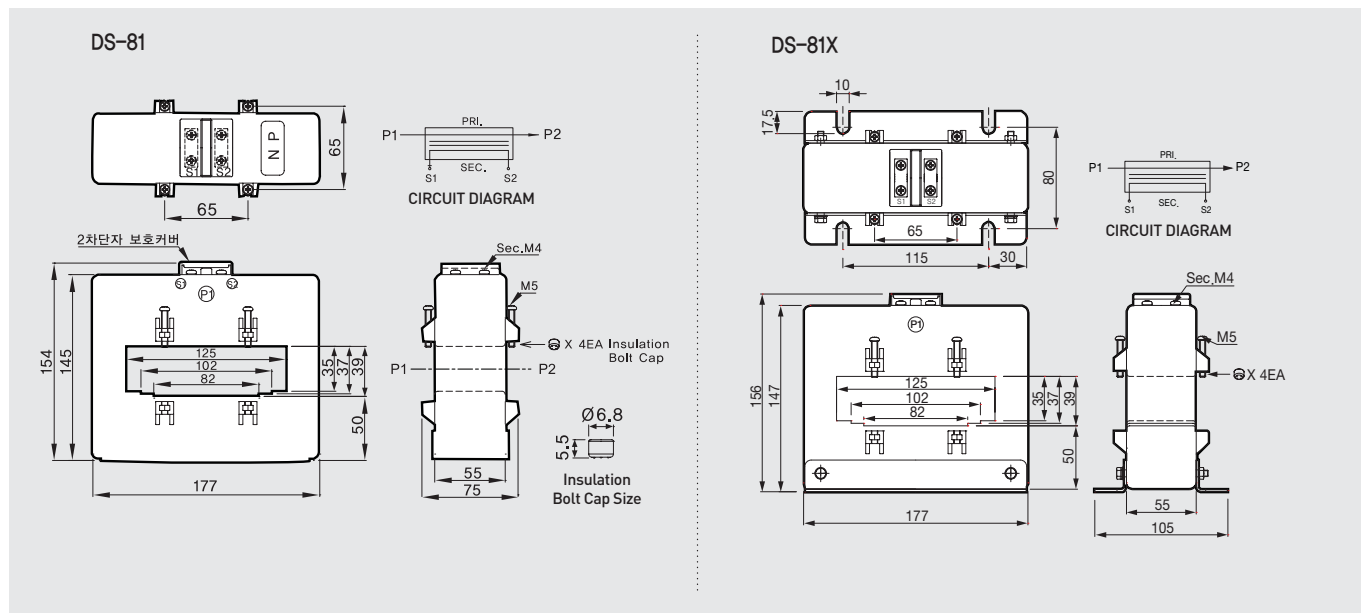
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-81	300A	5A / 1A	7.5VA	15VA
	400A		10VA	20VA
	500A		15VA	30VA
	600A		20VA	40VA
	700A		20VA	40VA
	800A		30VA	40VA
	1000A		30VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-81R	300A	5A / 1A	5VA	2VA
	400A		7VA	3VA
	500A		10VA	4VA
	600A		12VA	5VA
	700A		15VA	5VA
	800A		15VA	5VA
	1000A		15VA	5VA
	1200A		15VA	5VA
	1500A		15VA	5VA
	2000A		15VA	5VA
	2500A		15VA	5VA
	3000A		15VA	5VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-82(R) / 82X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

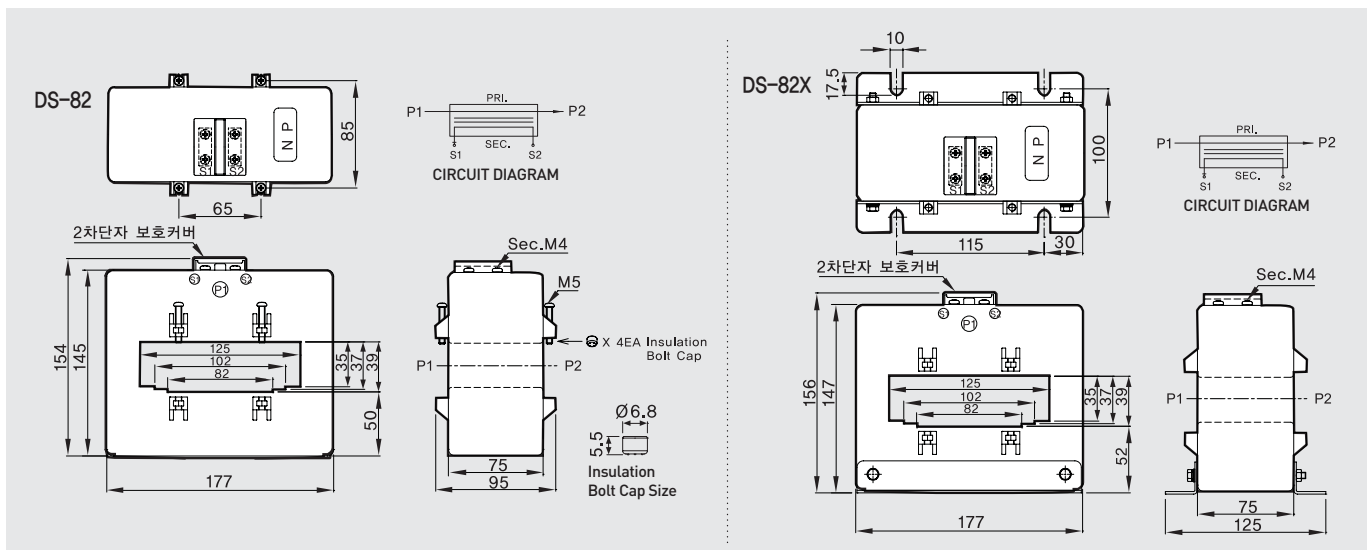
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-82	300A	5A / 1A	15VA	40VA
	400A		20VA	40VA
	500A		30VA	40VA
	600A		40VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-82R	300A	5A / 1A	10VA	5VA
	400A		15VA	6VA
	500A		18VA	8VA
	600A		22VA	10VA
	700A		22VA	10VA
	800A		25VA	10VA
	1000A		30VA	10VA
	1200A		35VA	10VA
	1500A		40VA	10VA
	2000A		40VA	10VA
	2500A		40VA	10VA
	3000A		30VA	10VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-91(R) / 91X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

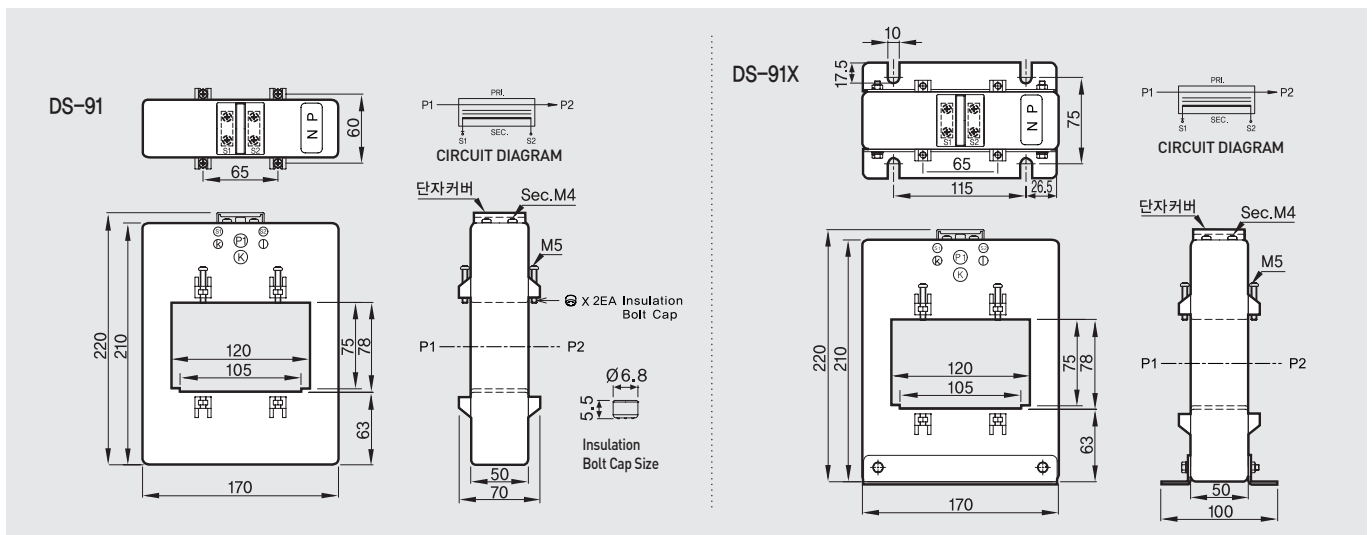
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-91	300A	5A / 1A	5VA	15VA
	400A		10VA	15VA
	500A		15VA	15VA
	600A		25VA	40VA
	700A		30VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA
	4000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-91R	300A	5A / 1A	5VA	2VA
	400A		7VA	3VA
	500A		8VA	3VA
	600A		10VA	4VA
	700A		10VA	3VA
	800A		10VA	4VA
	1000A		13VA	5VA
	1200A		17VA	6VA
	1500A		20VA	7VA
	2000A		20VA	7VA
	2500A		25VA	8VA
	3000A		15VA	-
	3200A		20VA	-
	4000A		-	-

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-92(R) / 92X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

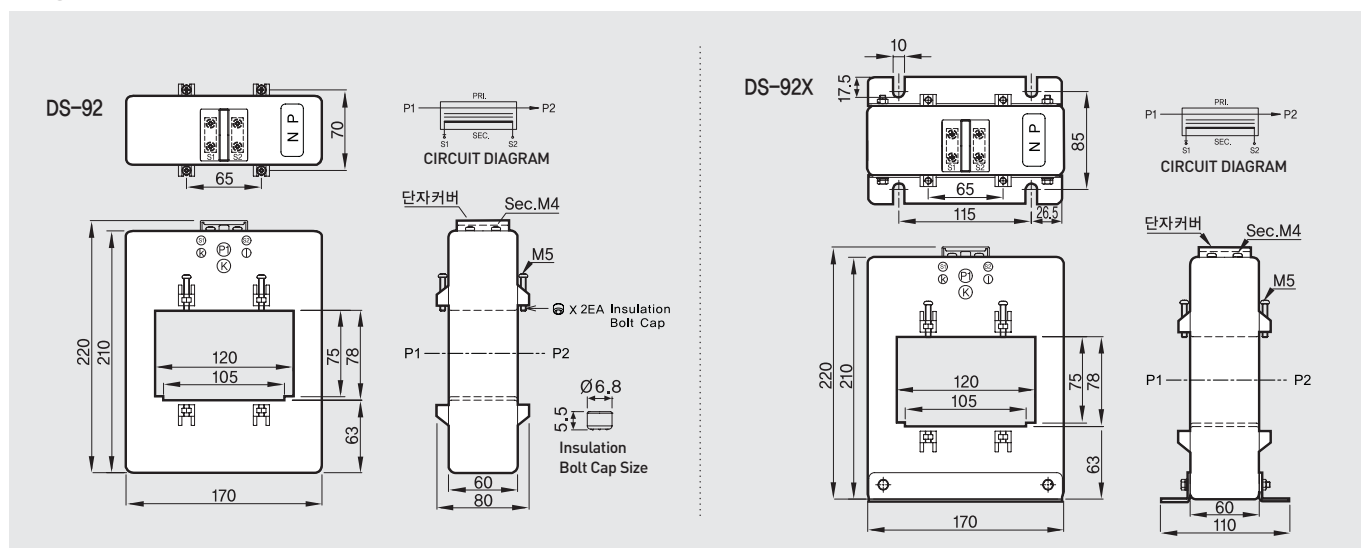
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-92	300A	5A / 1A	7.5VA	25VA
	400A		15VA	40VA
	500A		20VA	40VA
	600A		30VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA
	4000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-92R	300A	5A / 1A	7VA	3VA
	400A		9VA	4VA
	500A		11VA	5VA
	600A		15VA	5VA
	700A		15VA	5VA
	800A		16VA	6VA
	1000A		20VA	8VA
	1200A		25VA	10VA
	1500A		30VA	10VA
	2000A		35VA	12VA
	2500A		40VA	15VA
	3000A		40VA	15VA
	3200A		30VA	15VA
	4000A		40VA	15VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-93(R) / 93X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

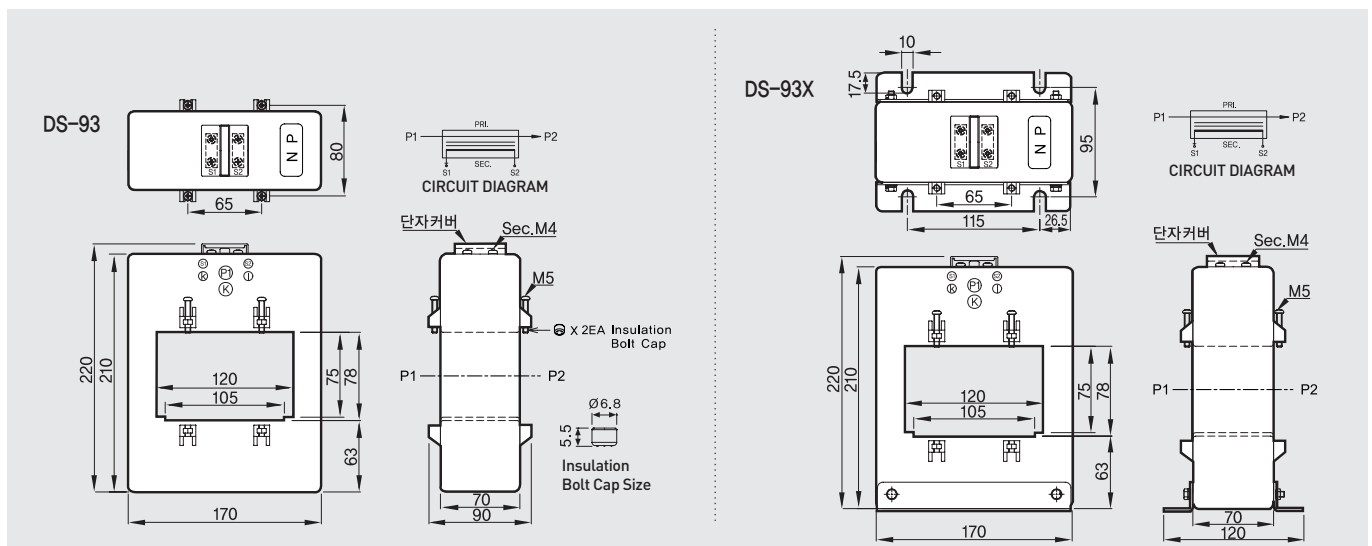
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-93	300A	5A / 1A	10VA	30VA
	400A		15VA	40VA
	500A		25VA	40VA
	600A		35VA	40VA
	700A		40VA	40VA
	800A		40VA	40VA
	1000A		40VA	40VA
	1200A		40VA	40VA
	1500A		40VA	40VA
	2000A		40VA	40VA
	2500A		40VA	40VA
	3000A		40VA	40VA
	3200A		40VA	40VA
	4000A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-93R	300A	5A / 1A	9VA	3VA
	400A		12VA	4VA
	500A		15VA	6VA
	600A		17VA	7VA
	700A		19VA	7VA
	800A		21VA	8VA
	1000A		25VA	10VA
	1200A		31VA	12VA
	1500A		35VA	13VA
	2000A		45VA	17VA
	2500A		55VA	20VA
	3000A		55VA	20VA
	3200A		60VA	20VA
	4000A		60VA	20VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-111(R) / 111X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

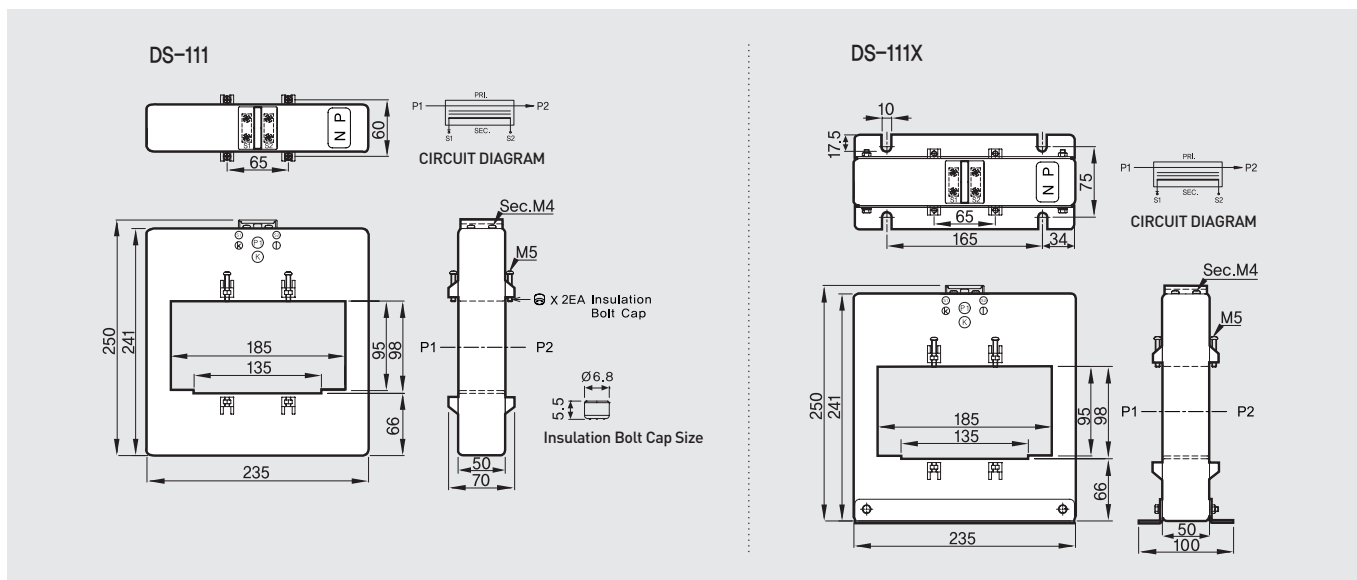
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-111	3000A	5A / 1A	40VA	40VA
	3500A		40VA	40VA
	4000A		40VA	40VA
	4500A		40VA	40VA
	5000A		40VA	40VA
	5500A		40VA	40VA
	6000A		40VA	40VA
	6300A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-111R	3000A	5A / 1A	30VA	5VA
	3500A		35VA	6VA
	4000A		27VA	1VA
	4500A		35VA	-
	5000A		20VA	-
	5500A		25VA	-
	6000A		10VA	-
	6300A		10VA	-

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-112(R) / 112X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

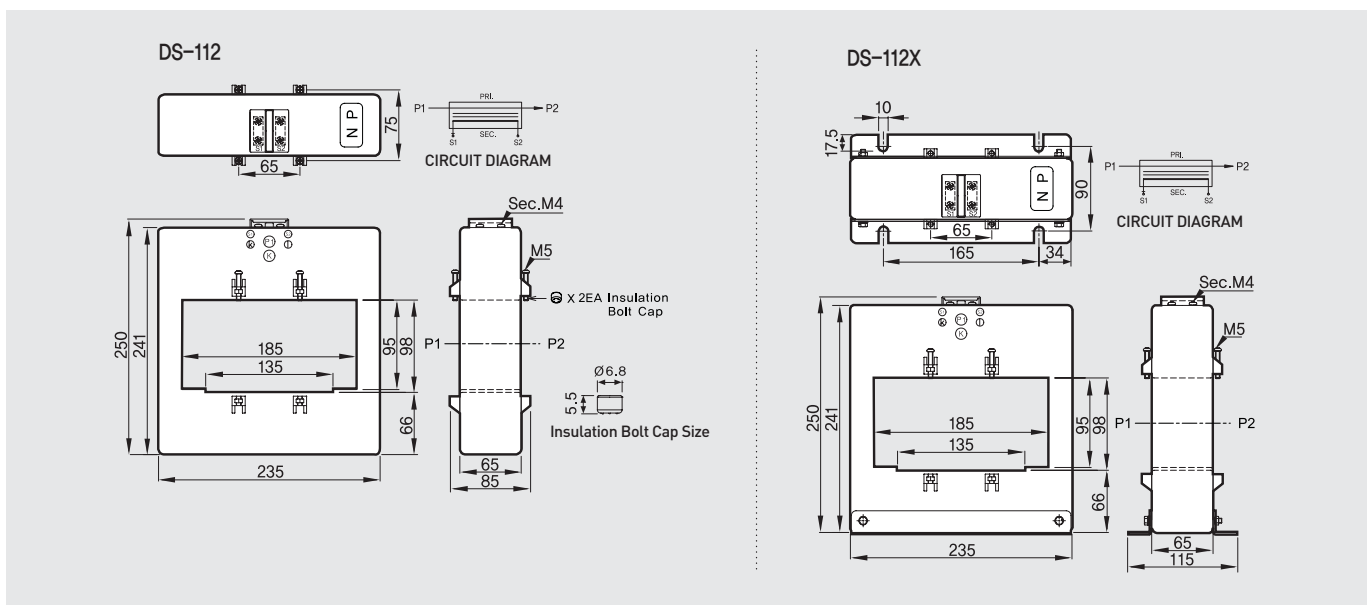
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-112	3000A	5A / 1A	40VA	40VA
	3500A		40VA	40VA
	4000A		40VA	40VA
	4500A		40VA	40VA
	5000A		40VA	40VA
	5500A		40VA	40VA
	6000A		40VA	40VA
	6300A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-112R	3000A	5A / 1A	40VA	20VA
	3500A		40VA	22VA
	4000A		40VA	20VA
	4500A		40VA	20VA
	5000A		40VA	15VA
	5500A		40VA	17VA
	6000A		40VA	10VA
	6300A		40VA	10VA

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-113(R) / 113X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

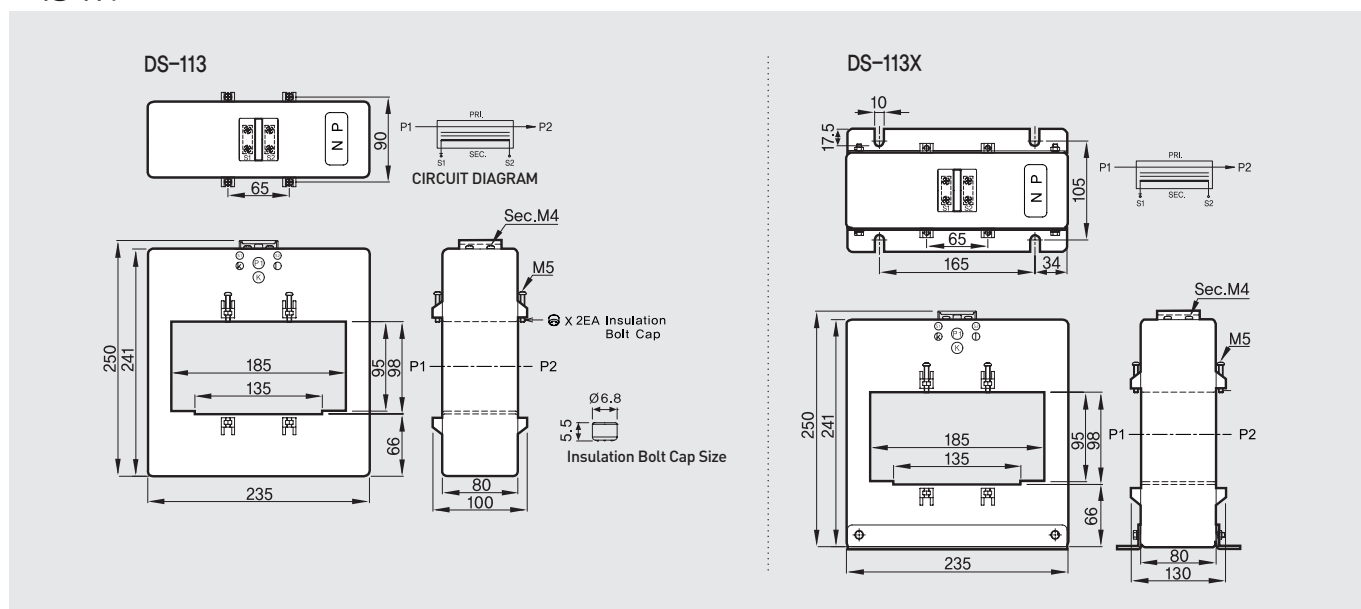
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-113	3000A	5A / 1A	40VA	40VA
	3500A		40VA	40VA
	4000A		40VA	40VA
	4500A		40VA	40VA
	5000A		40VA	40VA
	5500A		40VA	40VA
	6000A		40VA	40VA
	6300A		40VA	40VA

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-113R	3000A	5A / 1A	40VA	22VA
	3500A		40VA	25VA
	4000A		40VA	25VA
	4500A		40VA	27VA
	5000A		40VA	25VA
	5500A		40VA	27VA
	6000A		40VA	27VA
	6300A		40VA	20VA

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-121(R) / 121X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

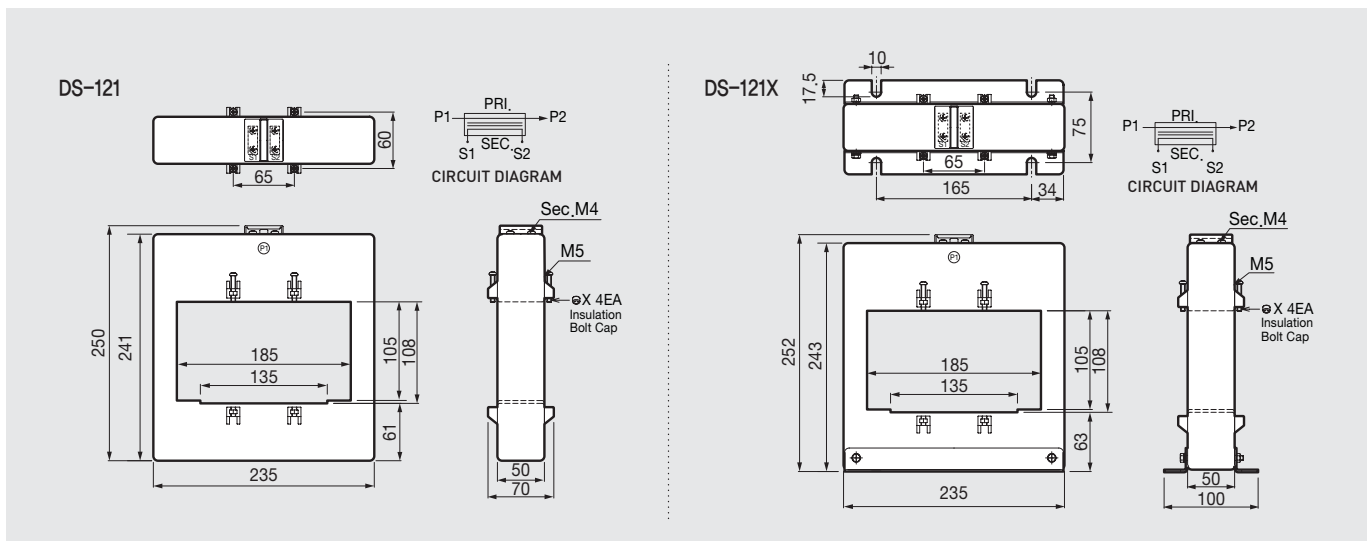
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-121	1000A	5A / 1A	40	40
	1200A		40	40
	1500A		40	40
	2000A		40	40
	2500A		40	40
	3000A		40	40
	3200A		40	40
	3500A		40	40
	4000A		40	40
	4500A		40	40
	5000A		40	40
	5500A		40	40
	6000A		40	40
	6300A		40	40

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-121R	1000A	5A / 1A	10	5
	1200A		15	5
	1500A		20	10
	2000A		25	10
	2500A		25	10
	3000A		25	10
	3200A		25	10
	3500A		25	10
	4000A		25	10
	4500A		25	5
	5000A		25	5
	5500A		25	-
	6000A		25	-
	6300A		25	-

■ 외형치수 / Dimension





배전반용 / For Switchgear

DS-122(R) / 122X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사 체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동 드라이버 사용 시 토크렌치와 교정 후 사용할 것.

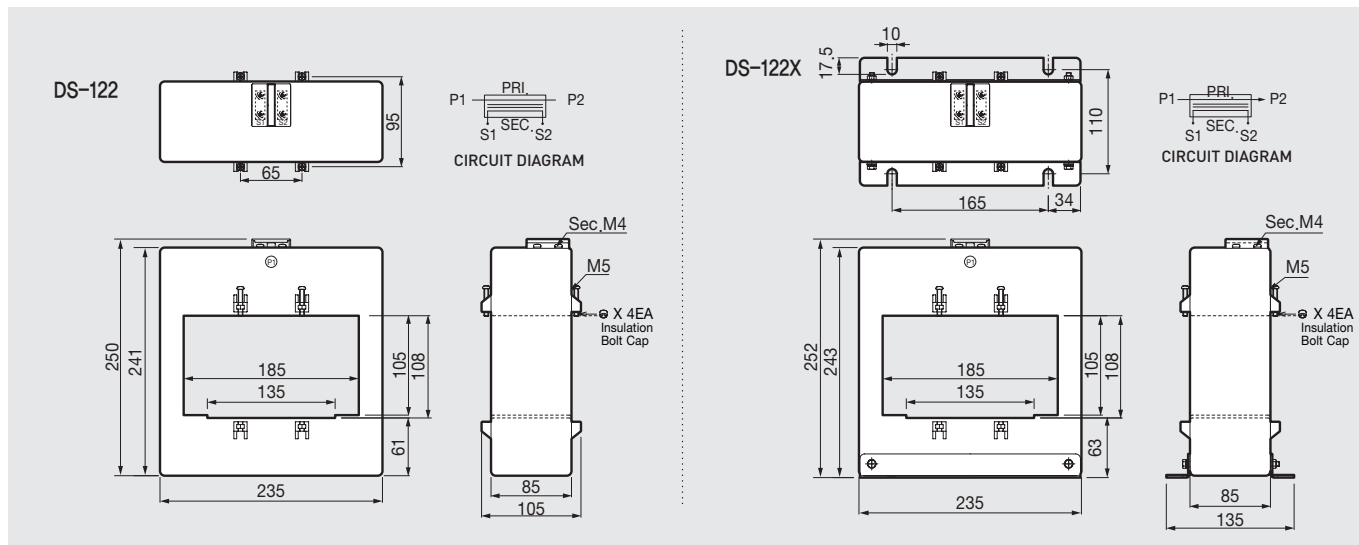
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-122	1000A	5A / 1A	40	40
	1200A		40	40
	1500A		40	40
	2000A		40	40
	2500A		40	40
	3000A		40	40
	3200A		40	40
	3500A		40	40
	4000A		40	40
	4500A		40	40
	5000A		40	40
	5500A		40	40
	6000A		40	40
	6300A		40	40

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-122R	1000A	5A / 1A	30	15
	1200A		40	20
	1500A		40	20
	2000A		40	30
	2500A		40	30
	3000A		40	40
	3200A		40	40
	3500A		40	40
	4000A		40	40
	4500A		40	40
	5000A		40	40
	5500A		40	40
	6000A		40	40
	6300A		40	40

■ 외형치수 / Dimension





저압 계기용 및 계전기용 변류기

LV Current Transformer



배전반용 / For Switchgear

DS-123(R) / 123X(R)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar Through Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: Polycarbonate)
- 60 or 50Hz

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부동 등, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

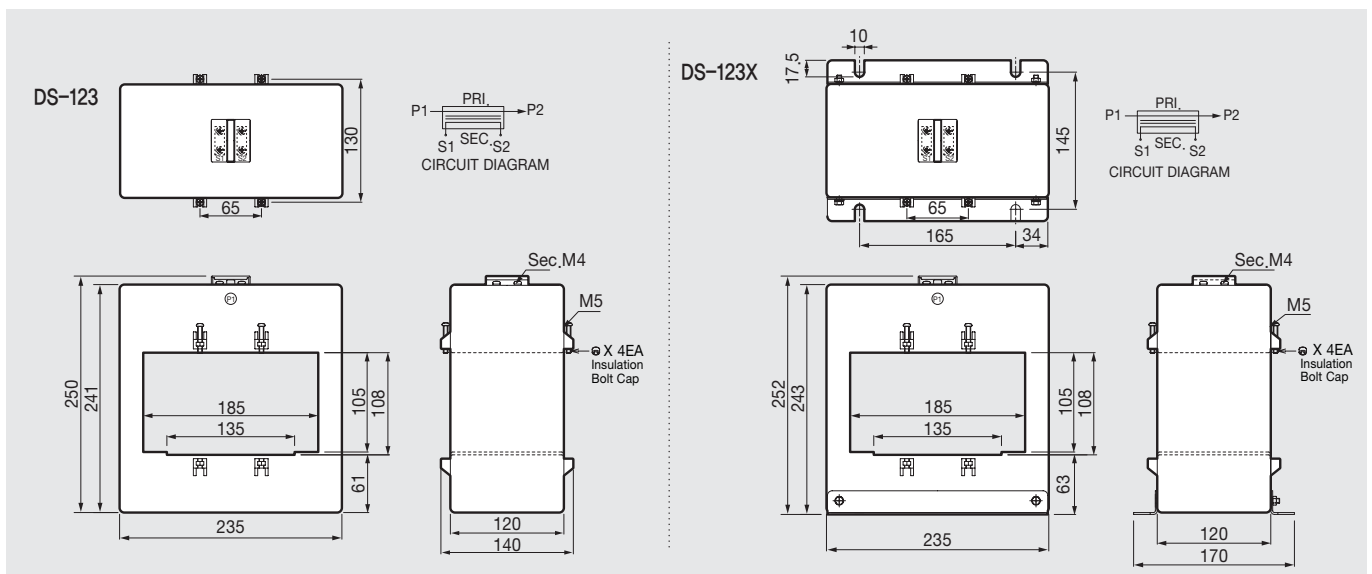
■ 계기용 / Measuring Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 0.5	계급 Class 1.0
DS-123	600A	5A / 1A	40	40
	700A		40	40
	800A		40	40
	1000A		40	40
	1200A		40	40
	1500A		40	40
	2000A		40	40
	2500A		40	40
	3000A		40	40
	3200A		40	40
	3500A		40	40
	4000A		40	40
	4500A		40	40
	5000A		40	40

■ 계전기용 / Relaying Application

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class 5P10	계급 Class 5P20
DS-123R	600A	5A / 1A	40	20
	700A		40	25
	800A		40	30
	1000A		40	40
	1200A		40	50
	1500A		40	50
	2000A		40	50
	2500A		40	50
	3000A		40	50
	3200A		40	50
	3500A		40	50
	4000A		40	50
	4500A		40	50
	5000A		40	50

■ 외형치수 / Dimension



■ Memo

B

LVCT

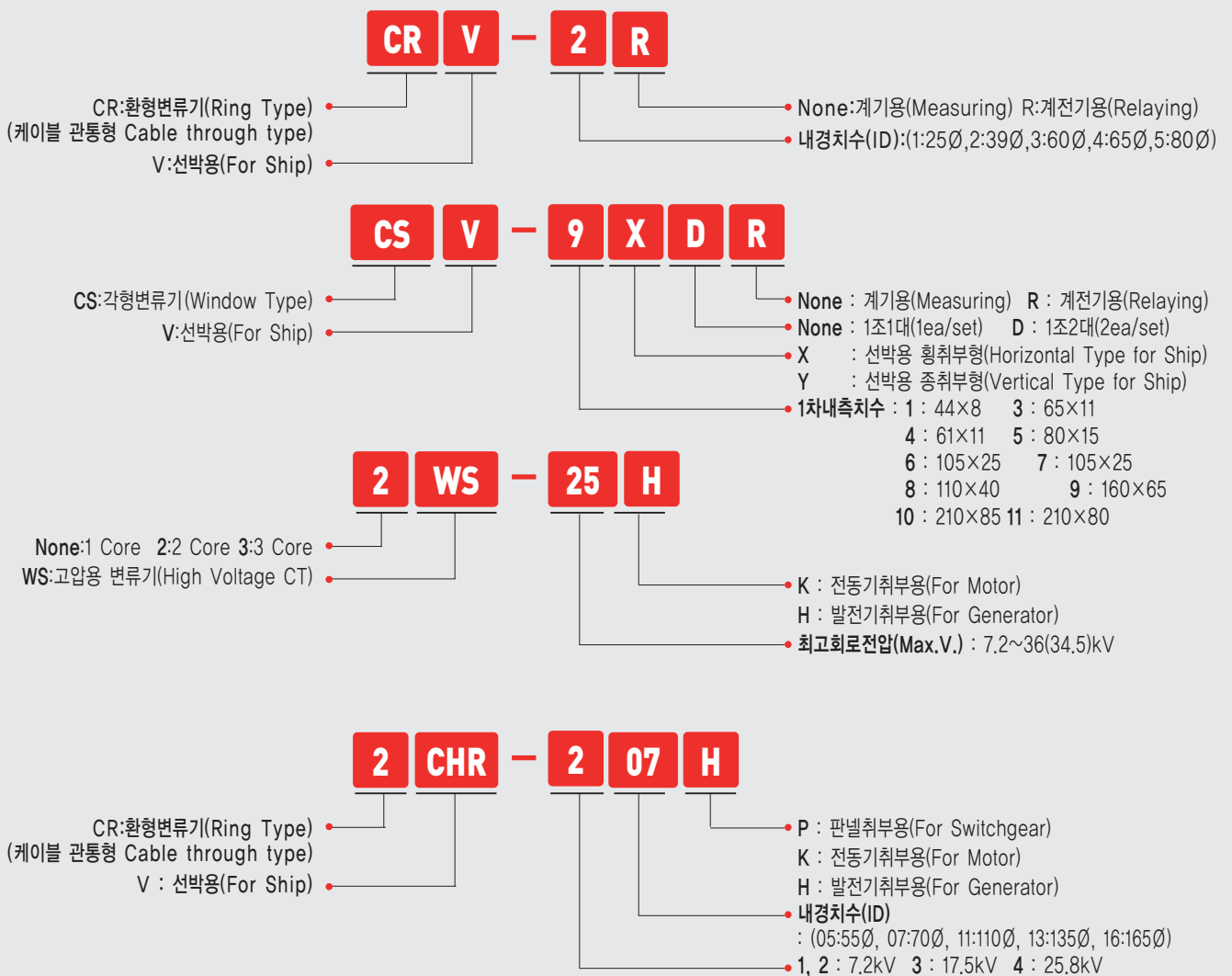


계기용 및 계전기용 변류기

Current Transformer



■ 제품분류 인식표 (Index)





CRV-1/2/3 선박용/For Ship

최고회로 전압

Max. Voltage : 0.72~1.2kV

특징/Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 에폭시 몰드형 / Epoxy Molded Type (Case : ABS)
- 60Hz, 40In/1s (Option: 50Hz)

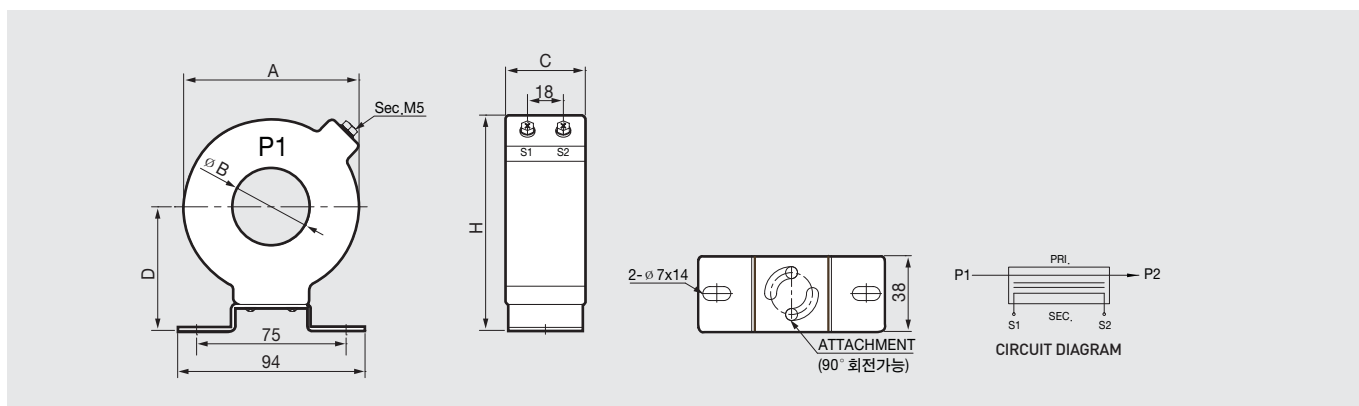
사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)				
						A	B	C	D	H
CRV - 1	100~300A	5A / 1A	1.0	5 VA	≒ 0.55	70	Ø25	40	53	91
CRV - 2	200~800A	5A / 1A	1.0	15 VA	≒ 0.75	88	Ø39	40	62	108
CRV - 3	300~1500A	5A / 1A	1.0	15 VA	≒ 1.0	115	Ø60	40	80.5	138

1차 턴수/Primary Turn

Type		5A	10A	15A	20A	25A	30A	40A	50A	60A	75A	100A	120A	150A	200A	250A	300A
CRV - 1	AT	100	100	120	100	100	120	120	100	120	150	100	120	150	200	250	300
	Turn	20	10	8	5	4	4	3	2	2	2	1	1	1	1	1	1
CRV - 2	AT	240	200	300	200	250	300	200	200	300	300	200	240	300	200	250	300
	Turn	48	20	20	10	10	10	5	4	5	4	2	2	2	1	1	1

외형치수/Dimension





계기용 및 계전기용 변류기

Current Transformer



CRV-4(R)/5(R)

선박용 / For Ship

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 환형 / Ring Type
- 선박용 / For Ship
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60 or 50Hz, 40In/1s

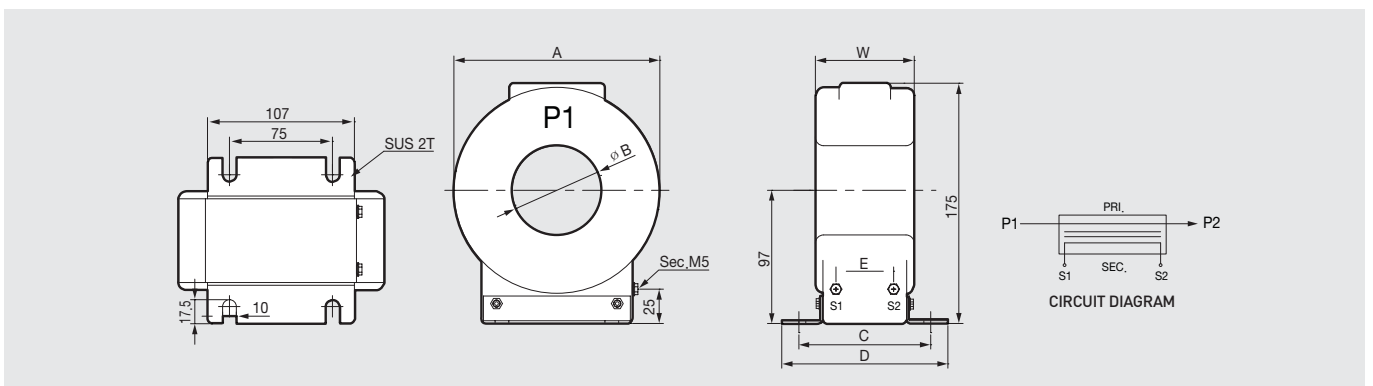
■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)					
						A	B	C	D	E	W
CRV - 41	100~2000A	5A / 1A	1.0	5 VA	≈ 4.0	150	Ø65	80	100	22	50
	200~2000A			15 VA							
	300~2000A			40 VA							
CRV - 42	60~2000A	5A / 1A	1.0	5 VA	≈ 6.0	150	Ø65	100	120	42	72
	150~2000A			15 VA							
	200~2000A			40 VA							
CRV - 43	60~2000A	5A / 1A	1.0	5 VA	≈ 8.0	150	Ø65	125	145	32	95
	100~2000A			15 VA							
	150~2000A			40 VA							
CRV - 51	100~2000A	5A / 1A	1.0	5 VA	≈ 3.0	150	Ø80	80	100	22	50
	200~2000A			15 VA							
	450~2000A			40 VA							
CRV - 52	75~2000A	5A / 1A	1.0	5 VA	≈ 4.0	150	Ø80	100	120	42	72
	120~2000A			15 VA							
	200~2000A			40 VA							
CRV - 53	50~2000A	5A / 1A	1.0	5 VA	≈ 6.0	150	Ø80	125	145	32	95
	80~2000A			15 VA							
	150~2000A			40 VA							

■ 계전기용 비교표 / Selection Guide for Protective Application

계급	과전류 정수	부담	1차 전류 / Pri. Cur.(A)									
Class	Over Cur. Fac.	Burden	60 ~	75 ~	120 ~	200 ~	250 ~	300 ~	350 ~	400 ~	500 ~	600 ~
5P10	n > 10	5 VA	43R	53R	41R, 52R	51R						
		15 VA				43R	53R	41R	52R	51R		
		40 VA								43R	53R	
5P20	n > 20	5 VA			43R	53R	52R	41R	51R			
		15 VA								43R	53R	

■ 외형치수 / Dimension





선박용 / For Ship

CSV-1(X)/3(X)/5(X)/6(X)/7(X)

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

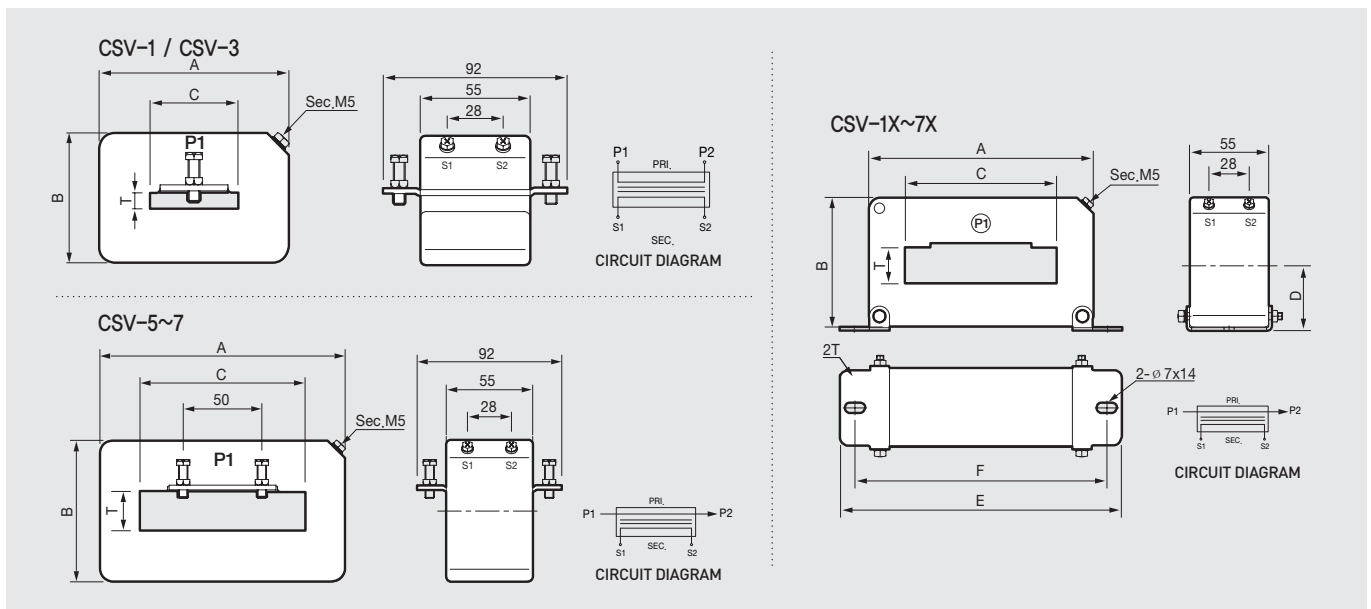
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 횡취부형 / Horizontal Attached Type
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- 60Hz, 40In/1s(Option: 50Hz)

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV-1(X)	100 ~ 150A	5A / 1A	1.0	5 VA	≒ 0.9	95	65	44	8	33	135	115
	200 ~ 300A			15 VA								
CSV-3(X)	300 ~ 600A	5A / 1A	1.0	15 VA	≒ 1.0	115	70	65	11	36	155	135
	400 ~ 600A			40 VA								
CSV-5(X)	500 ~ 1000A	5A / 1A	1.0	15 VA	≒ 1.2	135	75	80	15	38	175	155
				40 VA								
CSV-6(X)	1200 ~ 2000A	5A / 1A	1.0	15 VA	≒ 1.6	156	90	105	25	45	195	175
				40 VA								
CSV-7(X)	1200 ~ 2500A	5A / 1A	1.0	40 VA	≒ 2.5	170	100	105	25	50	210	190

■ 외형치수 / Dimension





계기용 및 계전기용 변류기

Current Transformer



CSV-8X/9X/10X/94X

선박용 / For Ship

최고회로 전압

Max. Voltage : 0.72~1.2kV

특징 / Feature

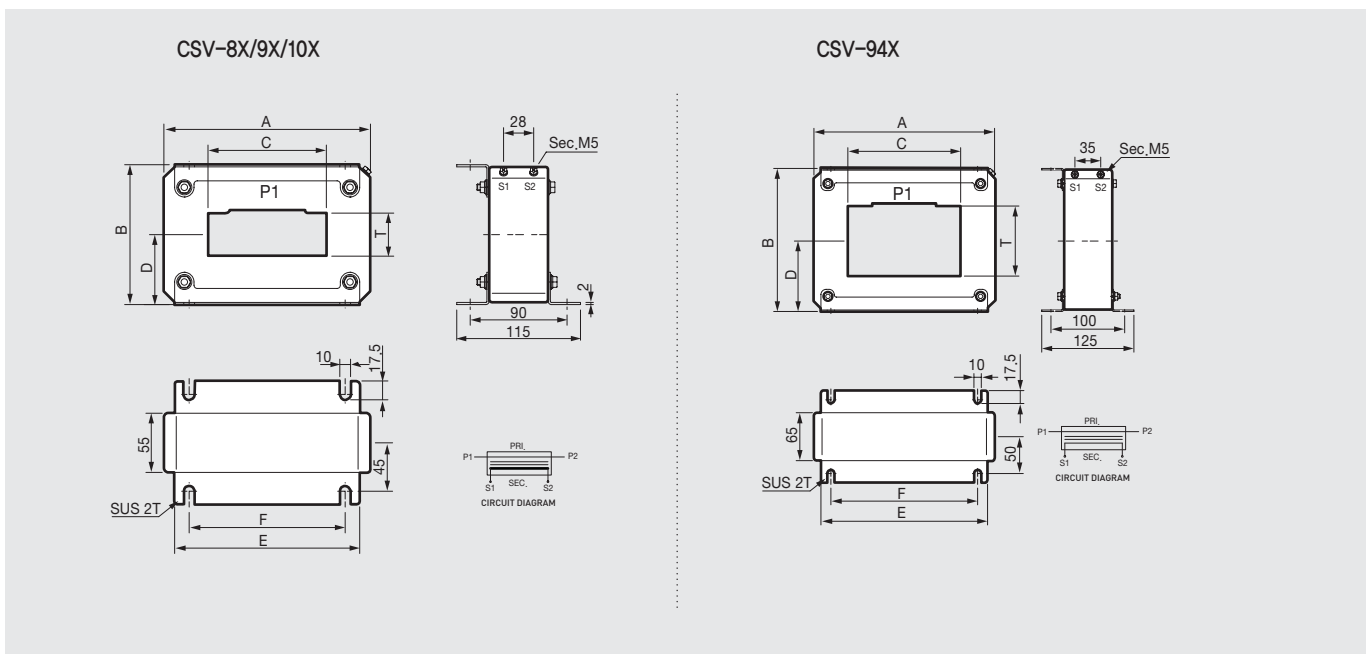
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 횡취부형 / Horizontal Attached Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

※ Torque : M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV-8X	2000~3000A	5A / 1A	1.0	40 VA	≒ 4.0	192	130	110	40	65	172	145
CSV-9X	3000~5000A	5A / 1A	1.0	40 VA	≒ 5.0	245	164	160	65	82	226	199
CSV-10X	5000~8000A	5A / 1A	1.0	40 VA	≒ 6.0	310	194	210	85	97	292	265
CSV-94X	2500~6000A	5A / 1A	1.0	40 VA	≒ 5.0	245	194	153	95	95.5	226	199

외형치수 / Dimension





CSV-8Y/9Y/10Y/94Y 선박용 / For Ship

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

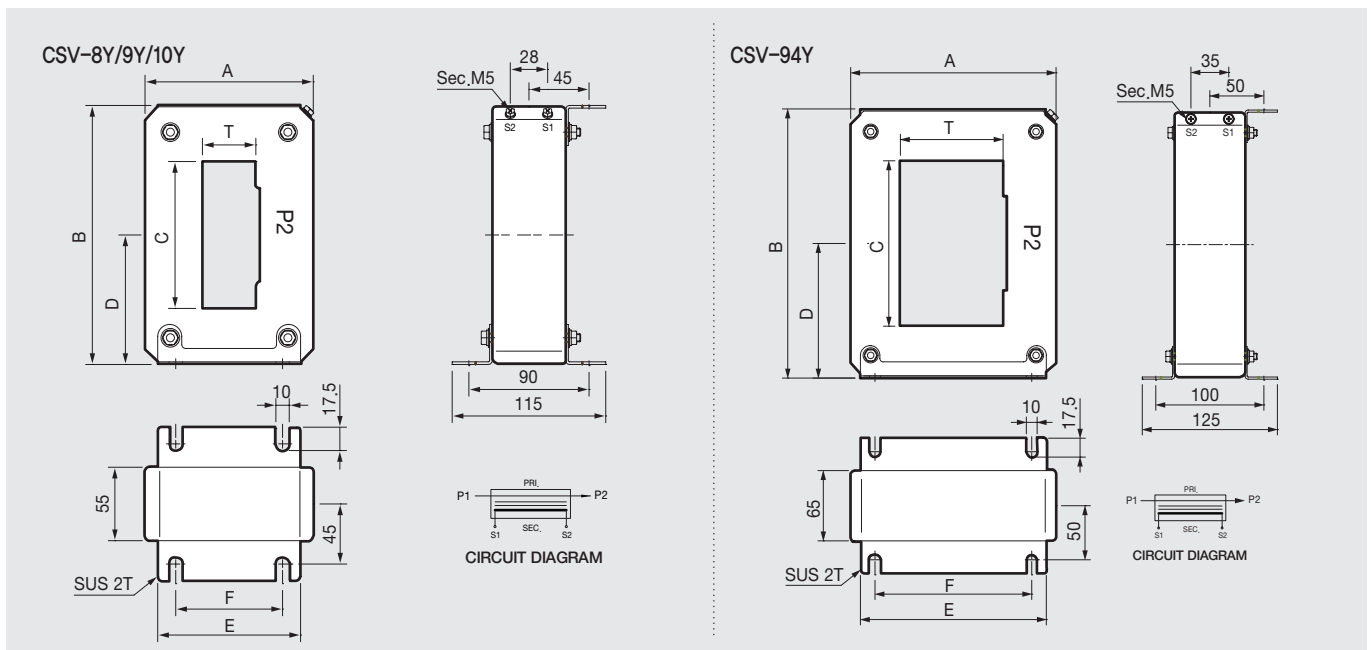
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 중첩부형 / Vertical Attached Type
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- 60Hz, 40In/1s(Option: 50Hz)

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV-8Y	2000~3000A	5A / 1A	1.0	40 VA	≒ 4.0	126	193	110	40	97	107	80
CSV-9Y	3000~5000A	5A / 1A	1.0	40 VA	≒ 5.0	160	248	160	65	124	139	115
CSV-10Y	5000~8000A	5A / 1A	1.0	40 VA	≒ 6.0	190	315	210	85	157	172	145
CSV-94Y	2500~6000A	5A / 1A	1.0	40 VA	≒ 5.0	190	249	153	95	124.5	172	145

■ 외형치수 / Dimension





계기용 및 계전기용 변류기 Current Transformer



선박용 / For Ship

CSV-8XR/9XR/10XR/11XR/94XR

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

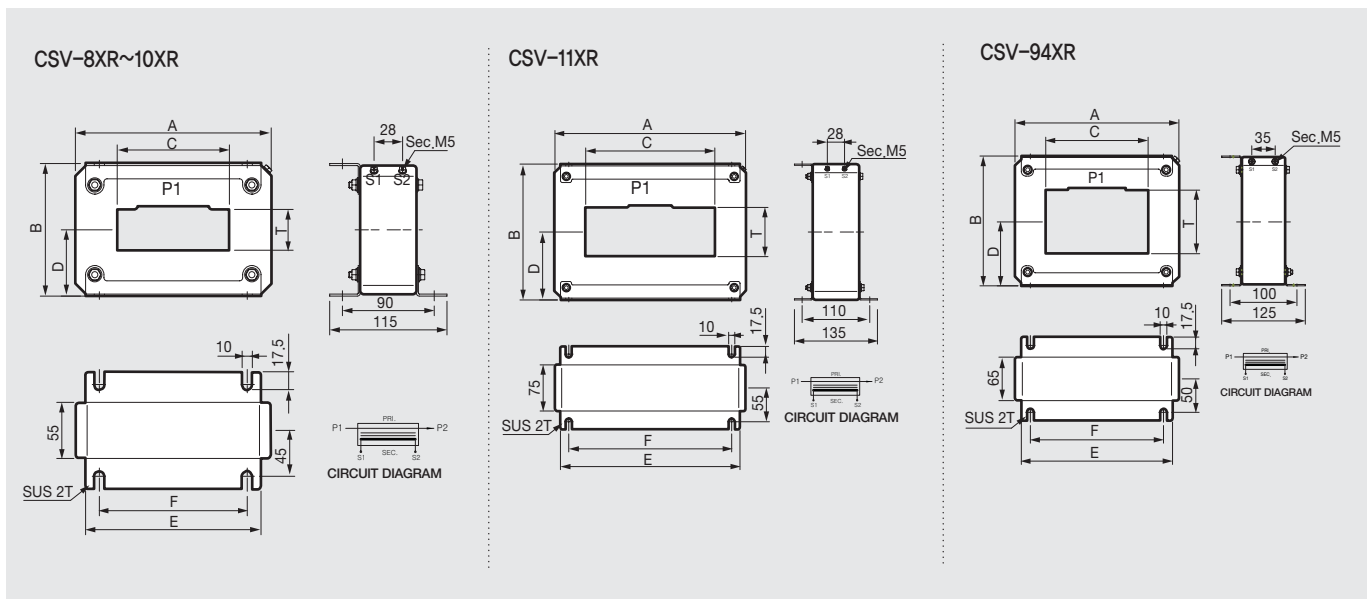
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계전기용 / Relaying Application
- 횡취부형 / Horizontal Attached Type
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV - 8XR	1000~2500A	5A / 1A	5P10	15 VA	≒ 5.0	192	130	110	40	65	172	145
	2500~3000A		5P10	40VA								
	1000~2500A		5P20	5 VA								
CSV - 9XR	2500~5000A	5A / 1A	5P10	40 VA	≒ 6.0	245	164	160	65	82	226	199
	2500~5000A		5P20	15 VA								
CSV - 10XR	1000~8000A	5A / 1A	5P10	40 VA	≒ 8.0	310	194	210	85	97	292	265
	1000~8000A		5P20	15 VA								
CSV - 11XR	4000~9000A	5A / 1A	5P20	40 VA	≒ 12	310	221	210	80	110.5	292	265
CSV - 94XR	2500~6000A	5A / 1A	5P10	40 VA	≒ 5.0	245	194	153	95	95.5	226	199
	2500~6000A		5P20	30 VA								

■ 외형치수 / Dimension





선박용/For Ship

CSV-8YR/9YR/10YR/11YR/94YR

최고회로 전압

Max. Voltage :0.72~1.2kV

■ 특징 / Feature

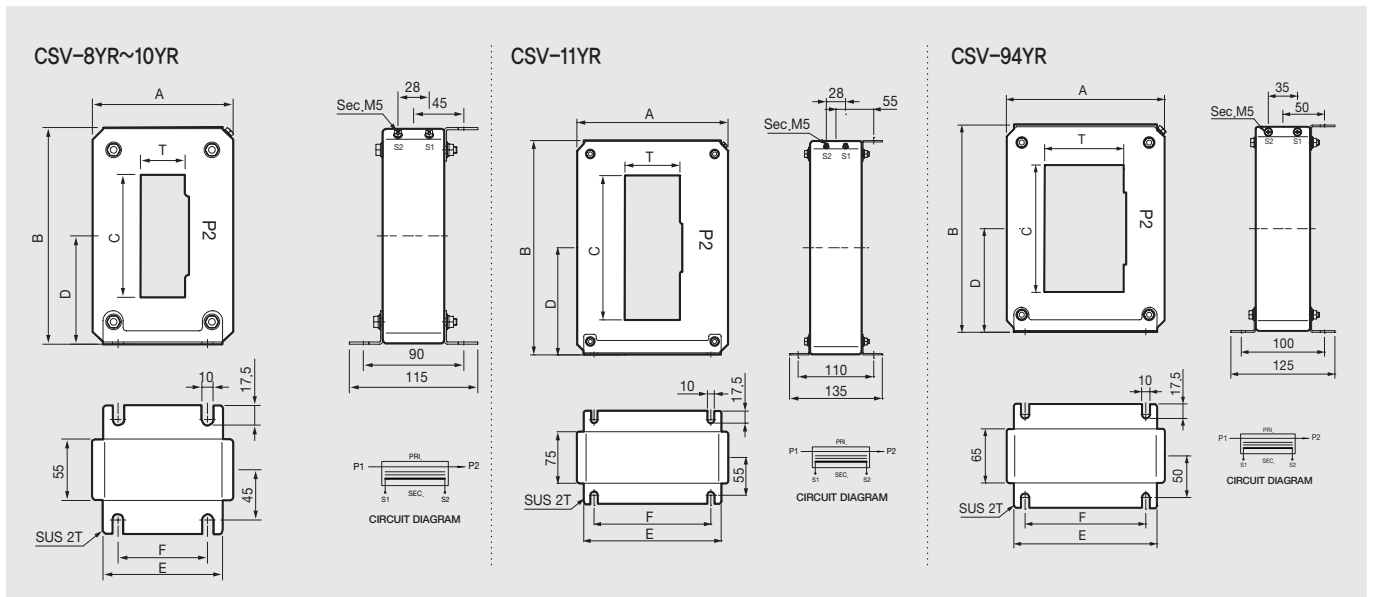
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계전기용 / Relaying Application
- 종취부형 / Vertical Attached Type
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- 60Hz, 40In/1s(Option: 50Hz)

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV - 8YR	1000~2500A	5A / 1A	5P10	15 VA	≒ 5.0	126	194	110	40	97	107	80
	2500~3000A		5P10	40VA								
	1000~2500A		5P20	5 VA								
CSV - 9YR	2500~5000A	5A / 1A	5P10	40 VA	≒ 6.0	160	248	160	65	124	139	115
	2500~5000A		5P20	15 VA								
CSV - 10YR	1000~8000A	5A / 1A	5P10	40 VA	≒ 8.0	190	314	210	85	157	175	145
	1000~8000A		5P20	15 VA								
CSV - 11YR	4000~9000A	5A / 1A	5P20	40 VA	≒ 12	220	312	210	80	156	200	170
CSV - 94YR	2500~6000A	5A / 1A	5P10	40 VA	≒ 5.0	190	249	153	95	124.5	172	145
	2500~6000A		5P20	30 VA								

■ 외형치수/Dimension





계기용 및 계전기용 변류기

Current Transformer



CSV-6WX/CS-6XD

선박용 / For Ship

최고회로 전압

Max. Voltage : 0.72~1.2kV

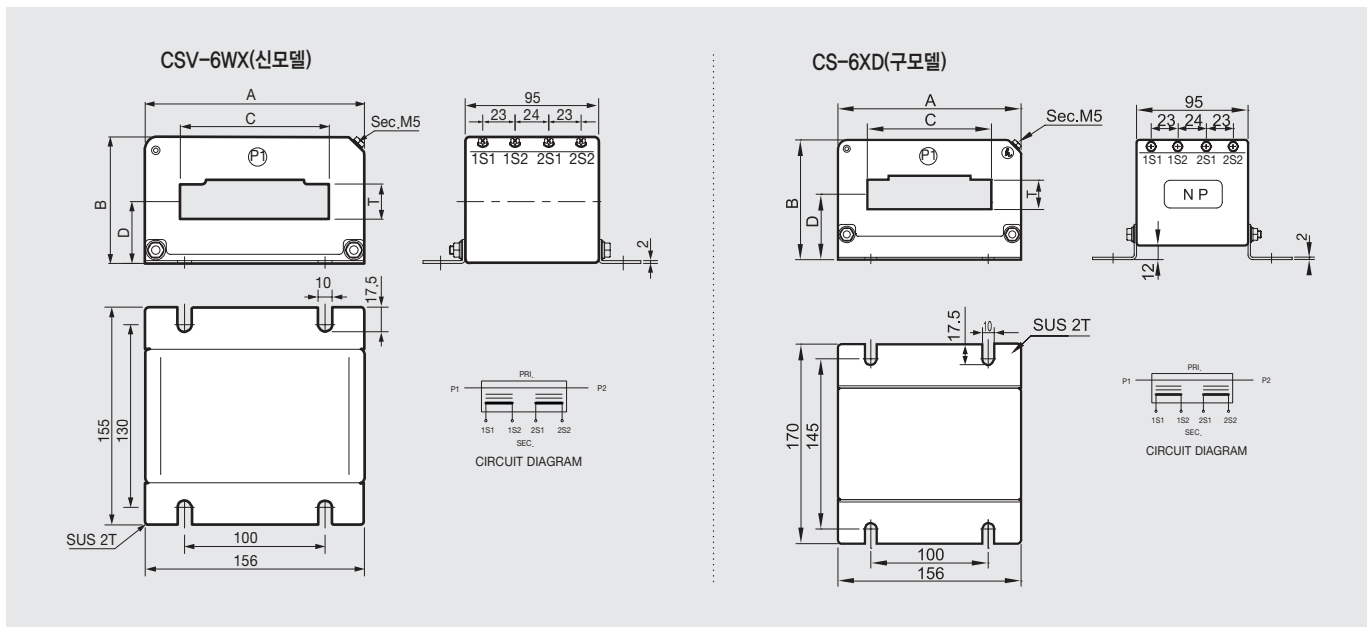
■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
 - 각형 / Window Type
 - 선박용 / For Ship
 - 계기용 / Measuring Application
 - 횡취부형 / Horizontal Attached Type
 - 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
 - 60Hz, 40In/1s (Option: 50Hz)
- ※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부 동, 알루미늄, 에폭시, 플라스틱 등일 때 Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)				
						A	B	C	T	D
CSV-6WX	1200~2000A	5A / 1A	1.0/1.0	15/15VA	≒ 4.0	156	90	105	25	44
			5P10/5P10	5/5VA						
CS-6XD	1200~2000A	5A / 1A	1.0/1.0	40/40VA	≒ 4.0	156	102	105	25	55

■ 외형치수 / Dimension





선박용 / For Ship

CSV-8XD/9XD/10XD/8WX/9WX/10WX

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

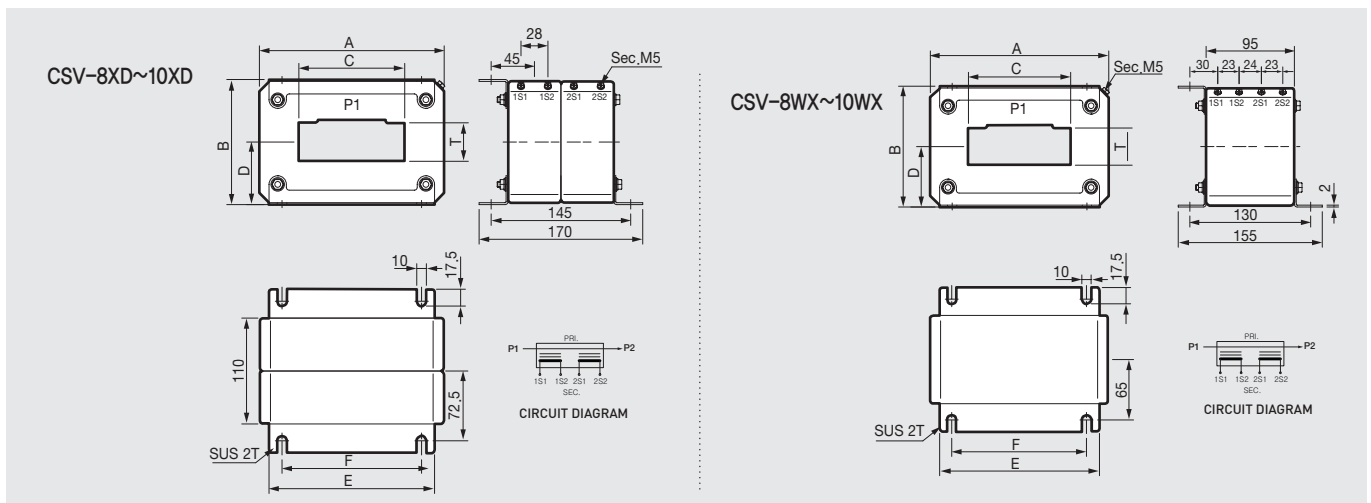
- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 횡취부형 / Horizontal Attached Type
- 1조2대 / A set with Dual Transformer (CSV-8XD~10XD)
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV-8XD	2000~3000A	5A / 1A	1.0/1.0	40/40VA	≒ 8.0	192	130	110	40	65	172	145
CSV-8WX	2500~3000A		1.0/1.0	40/40VA	≒ 7.0							
CSV-8WXR	1200~3000A		1.0/5P10	15/15VA								
	2500~3000A			40/40VA								
	1200~3000A		1.0/5P20	5/5VA								
	2500~3000A			15/15VA								
CSV-9XD	3000~5000A	1.0/1.0	40/40VA	≒ 10.0	245	164	160	65	82	226	199	
CSV-9WX	2500~5000A	1.0/1.0	40/40VA	≒ 9.0								
CSV-9WXR	750~5000A	1.0/5P10	15/15VA									
	2000~5000A		40/40VA									
	2000~5000A	1.0/5P20	15/15VA									
CSV-10XD	5000~8000A	5A / 1A	1.0/1.0	40/40VA	≒ 12.0	310	194	210	85	97	292	265
CSV-10WX	3000~8000A		1.0/1.0	40/40VA	≒ 11.0							
CSV-10WXR	750~7000A		1.0/5P10	15/15VA								
	1500~6000A			40/40VA								
	1500~6000A		1.0/5P20	15/15VA								
	4500~5000A			40/40VA								

■ 외형치수 / Dimension





계기용 및 계전기용 변류기

Current Transformer



선박용 / For Ship

CSV-8YD/9YD/10YD/8WY/9WY/10WY

최고회로 전압

Max. Voltage : 0.72~1.2kV

■ 특징 / Feature

- 규격 / Standard : KS C 1706, IEC 61869-2, JEC 1201, IEEE C 57.13
- 각형 / Window Type
- 선박용 / For Ship
- 계기용 / Measuring Application
- 종취부형 / Vertical Attached Type
- 1조2대 / A set with Dual Transformer (CSV-8YD~10YD)
- 에폭시 몰드형 / Epoxy Molded Type (Case: ABS)
- 60Hz, 40In/1s (Option: 50Hz)

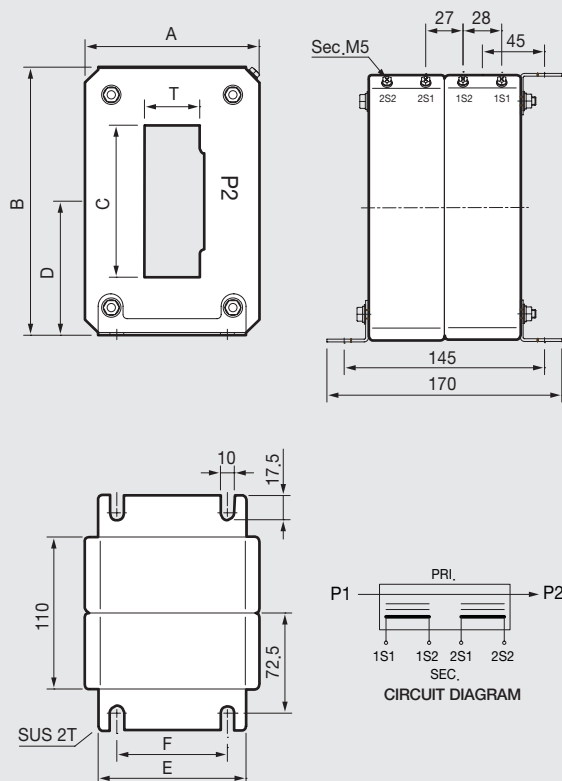
※ Torque : • M4(1.4~1.8Nm), M5(2.8~3.5Nm) 나사체결부로 동, 알루미늄, 에폭시, 플라스틱 등일 때
Torque 값을 35% 줄일 것
• 전동드라이버 사용 시 토크렌치와 교정 후 사용할 것.

■ 사양 / Specification

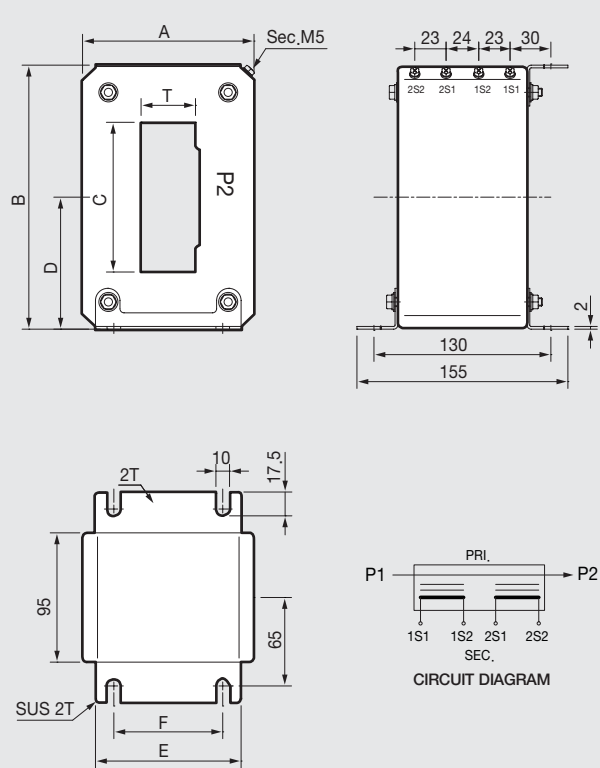
Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension(mm)						
						A	B	C	T	D	E	F
CSV-8YD	2000~3000A	5A / 1A	1.0/1.0	40/40VA	≒ 8.0	126	194	110	40	97	107	80
CSV-8WY	2500~3000A		1.0/1.0	40/40VA	≒ 7.0							
CSV-8WYR	1200~3000A		1.0/5P10	15/15VA								
	2500~3000A			40/40VA								
	1200~3000A		1.0/5P20	5/5VA								
	2500~3000A			15/15VA								
CSV-9YD	3000~5000A	5A / 1A	1.0/1.0	40/40VA	≒ 10.0	160	248	160	65	124	139	115
CSV-9WY	2500~5000A		1.0/1.0	40/40VA	≒ 9.0							
CSV-9WYR	750~5000A		1.0/5P10	15/15VA								
	2000~5000A			40/40VA								
	2000~5000A		1.0/5P20	15/15VA								
CSV-10YD	5000~8000A		5A / 1A	1.0/1.0	40/40VA							
CSV-10WY	3000~8000A	1.0/1.0		40/40VA	≒ 11.0							
CSV-10WYR	750~7000A	1.0/5P10		15/15VA								
	1500~6000A			40/40VA								
	1500~6000A	1.0/5P20		15/15VA								
	4500~5000A			40/40VA								

■ 외형치수 / Dimension

CSV-8YD/9YD/10YD



CSV-8WY/9WY/10WY





Bushing & Cable Current Transformer



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Cert



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붓싱형 변류기

Bushing & Cable Current Transformer

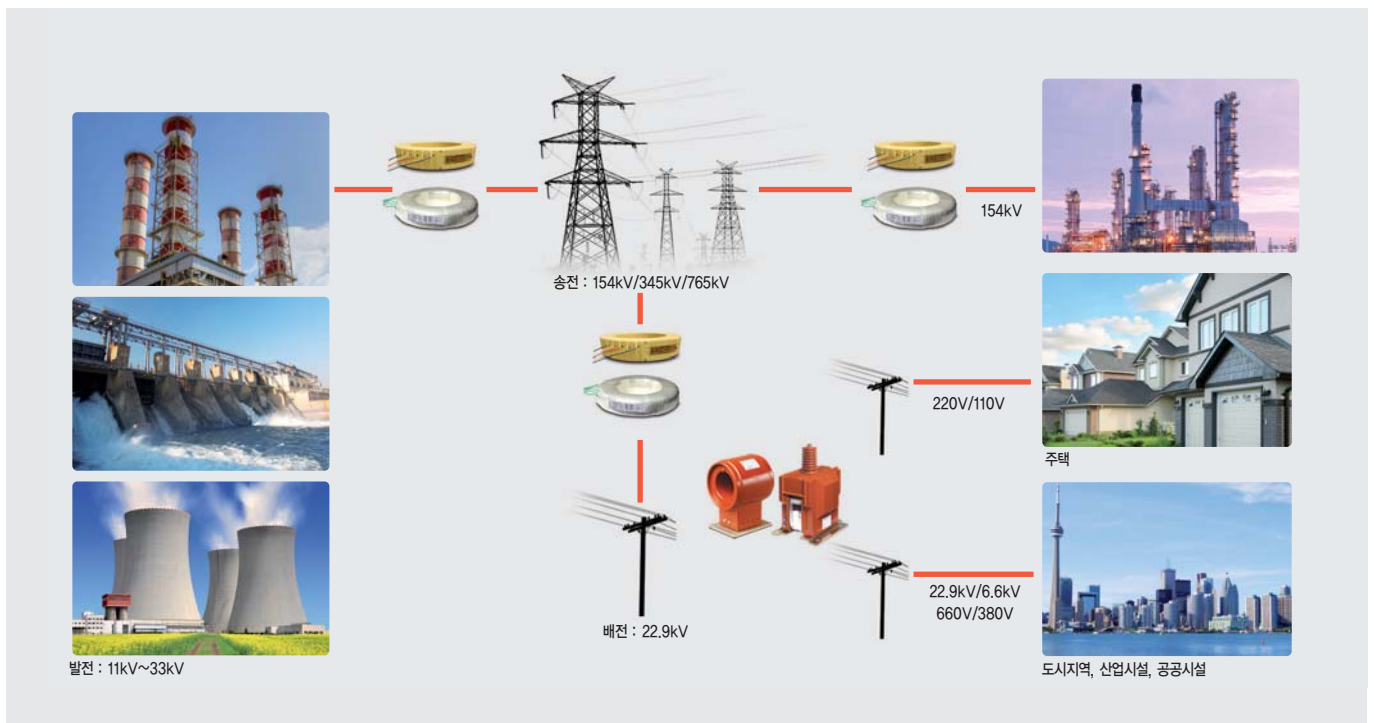
B.C.T

■ 특징/Feature

- 주문형 / By Ordering
- 계기용 및 계전기용 / Measuring & Relaying Application
- 용도 및 절연 방식에 따른 다양한 형태 / Different types of B.C.T according to Insulation and Application
 - 유입식 변압기용(바니쉬 함침형) / For Oil Transformer(Varnish Immersed Type)
 - 차단기 및 가스절연개폐기용(필름 절연형) / For Circuit Breaker or Gas Insulated Switchgear(Polyester Film Insulation Type)
 - 옥외 붓싱용(에폭시 몰드형) / Bushing Type for Outdoor(Epoxy Molded Type)



■ 계통도/Schematic Diagram



■ 사양/Specification

규격 Standard	변류비 Current Ratio	계급 Class		부담 Burden	비고 Note
ANSI / IEEE C 57.13	50 / 5A ~ 8000 / 5A	0.15S / 0.15 / 0.3 / 0.6 / 1.2		B-0.1 (2.5VA) B-0.2 (5VA) B-0.5 (12.5VA) B-0.9 (22.5VA) B-1.8 (45VA)	Measuring
	50 / 5A ~ 8000 / 5A	C10 C20 C50 C100 C200 C400 C800		B-0.1 (2.5VA) B-0.2 (5VA) B-0.5 (12.5VA) B-1 (25VA) B-2 (50VA) B-4 (100VA) B-8 (200VA)	Relaying
IEC 61869-2, IEC 60044-1, BS 3938, IS 2705, GOST 7746-2001, AS 1675-1986	50 / 5A ~ 8000 / 5A	0.1/0.2S/0.2/0.5S/0.5/ 1/3/5	FS 5, FS 10	5 ~ 30 VA	Measuring
	50 / 5A ~ 8000 / 5A	5P 5PR 10P 10PR	ALF 5, 10, 15, 20, 30		Relaying
		PX, X, PS			-
IEC 60044-6	50 / 5A ~ 8000 / 5A	TPS TPX TPY TPZ		-	Relaying
JEC 1201	50 / 5A ~ 8000 / 5A	1P 3P 5P 1T		10 ~ 40 VA	Relaying
CSA : CAN3 - C13 - M 83 CSA : C60044-1 CSA : C60044-6	50 / 5A ~ 8000 / 5A	0.3 / 0.6 / 1.2		B-0.1 (2.5VA) B-0.2 (5VA) B-0.5 (12.5VA) B-0.9 (22.5VA) B-1.8 (45VA)	Measuring
	50 / 5A ~ 8000 / 5A	2.5L/10L	100 200 400 800	B-1 (25VA) B-2 (50VA) B-4 (100VA) B-8 (200VA)	Relaying
			TPS		
ES 5950-0006	50 / 5A ~ 8000 / 5A	1.2		B-0.1 (12.5VA) B-0.9 (22.5VA) B-1.2 (30VA) B-1.8 (45VA)	Measuring
	50 / 5A ~ 8000 / 5A	C100 C200 C400 C800		B-1 (25VA) B-2 (50VA) B-4 (100VA) B-8 (200VA)	Relaying
KS C 1707	50 / 5A ~ 8000 / 5A	0.3W / 0.5W / 1.0W		5 ~ 40 VA	Measuring

C

BCT



봇싱형 변류기

Bushing & Cable Current Transformer

86-TYPE



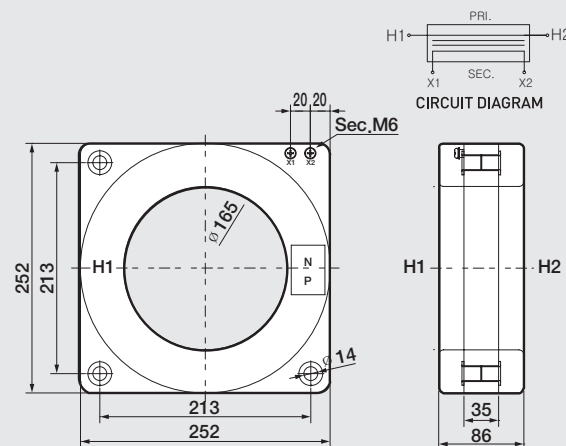
■ 특징/Feature

- 규격 / Standard : I EEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full ware
- 정격연속전류 / Continuous Thermal Current Rated Factor
: 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz, 50kA/1s

■ 사양/Specification

Type	정격전류 Rated Current	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
			B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
86-TYPE	250/5A	C-30	0.6	0.6	1.2	2.4	2.4
	300/5A	C-30	0.3	0.6	1.2	1.2	2.4
	400/5A	C-50	0.3	0.3	0.6	1.2	1.2
	500/5A	C-50	0.3	0.3	0.3	0.6	1.2
	600/5A	C-100	0.3	0.3	0.3	0.3	0.6
	750/5A	C-100	0.3	0.3	0.3	0.3	0.6
	800/5A	C-100	0.3	0.3	0.3	0.3	0.3
	1000/5A	C-100	0.3	0.3	0.3	0.3	0.3
	1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1500/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1600/5A	C-200	0.3	0.3	0.3	0.3	0.3
	2000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	2500/5A	C-200	0.3	0.3	0.3	0.3	0.3
	3000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	3500/5A	C-200	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension





172-TYPE

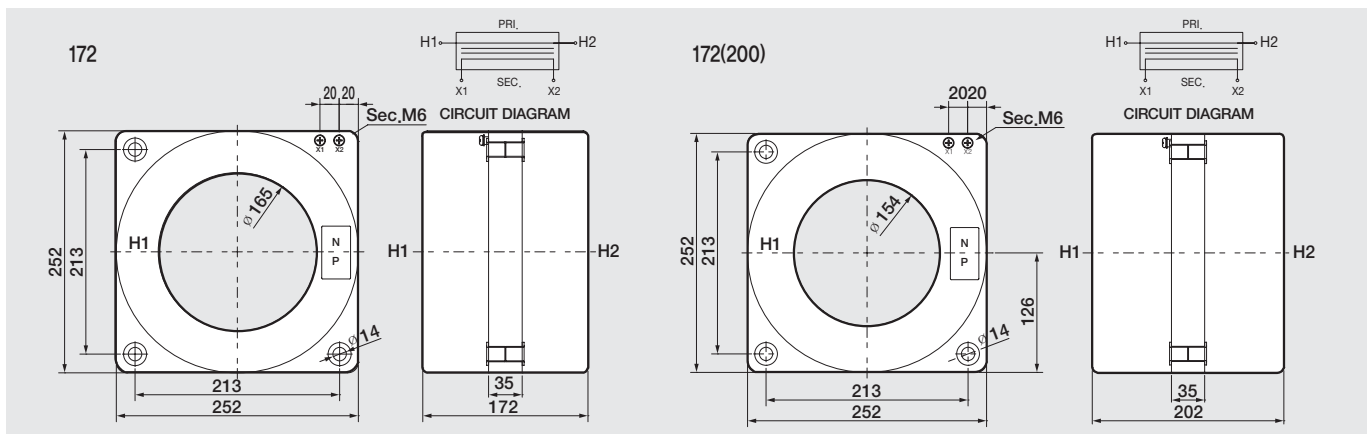
■ 특징/Feature

- 규격 / Standard : I EEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full ware
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz, 50kA/1s

■ 사양/Specification

Type	정격전류 Rated Current	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
			B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
172-TYPE	100/5A	C-20	0.6	0.6	1.2	2.4	-
	150/5A	C-50	0.6	0.6	1.2	2.4	-
	200/5A	C-50	0.6	0.6	1.2	2.4	-
	250/5A	C-50	0.6	0.6	1.2	2.4	2.4
	300/5A	C-100	0.6	0.6	1.2	2.4	2.4
	400/5A	C-100	0.6	0.6	1.2	2.4	2.4
	500/5A	C-100	0.3	0.3	0.3	0.6	1.2
	600/5A	C-100	0.3	0.3	0.3	0.6	1.2
	750/5A	C-100	0.3	0.3	0.3	0.3	0.6
	800/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	1600/5A	C-400	0.3	0.3	0.3	0.3	0.3
	2000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	2500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	3000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	3500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	4000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	5000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	6000/5A	C-400	0.3	0.3	0.3	0.3	0.3
172-TYPE(200)	100/5A	C-50	-	-	-	-	-

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CB-400

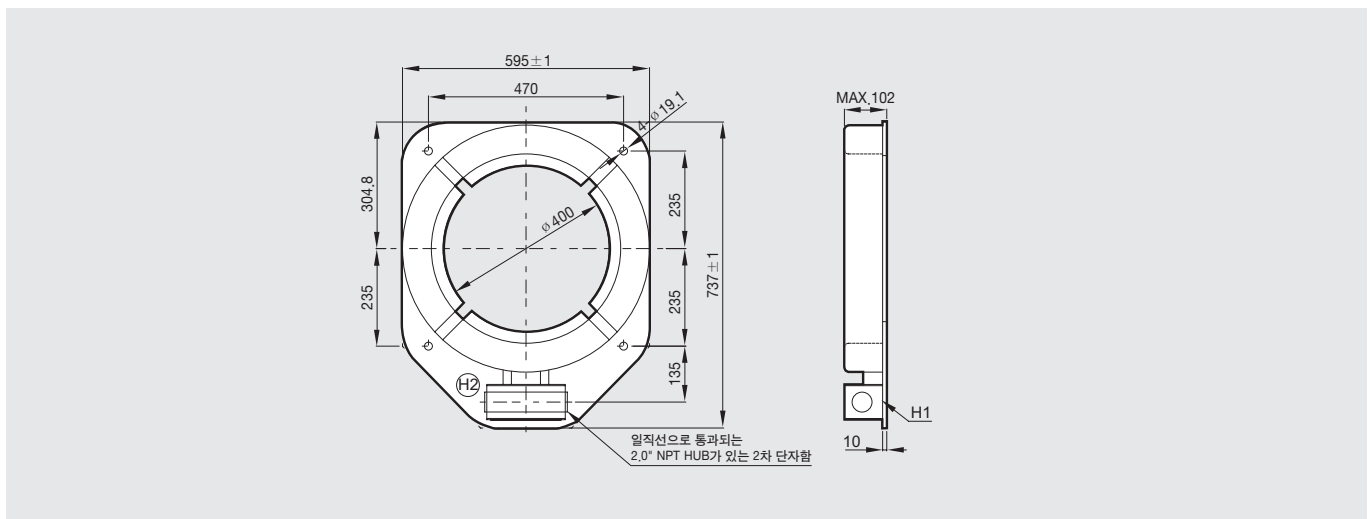
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 Measuring Class (at 60Hz)	Note
10000/5A	C-800	0.3 B-1.8 (45VA)	외형치수는 주문 사양에 따라 변경될 수 있음.
12000/5A			
14000/5A			
15000/5A			
16000/5A			
22000/5A			
25000/5A			

■ 외형치수/Dimension





CB36-10kA

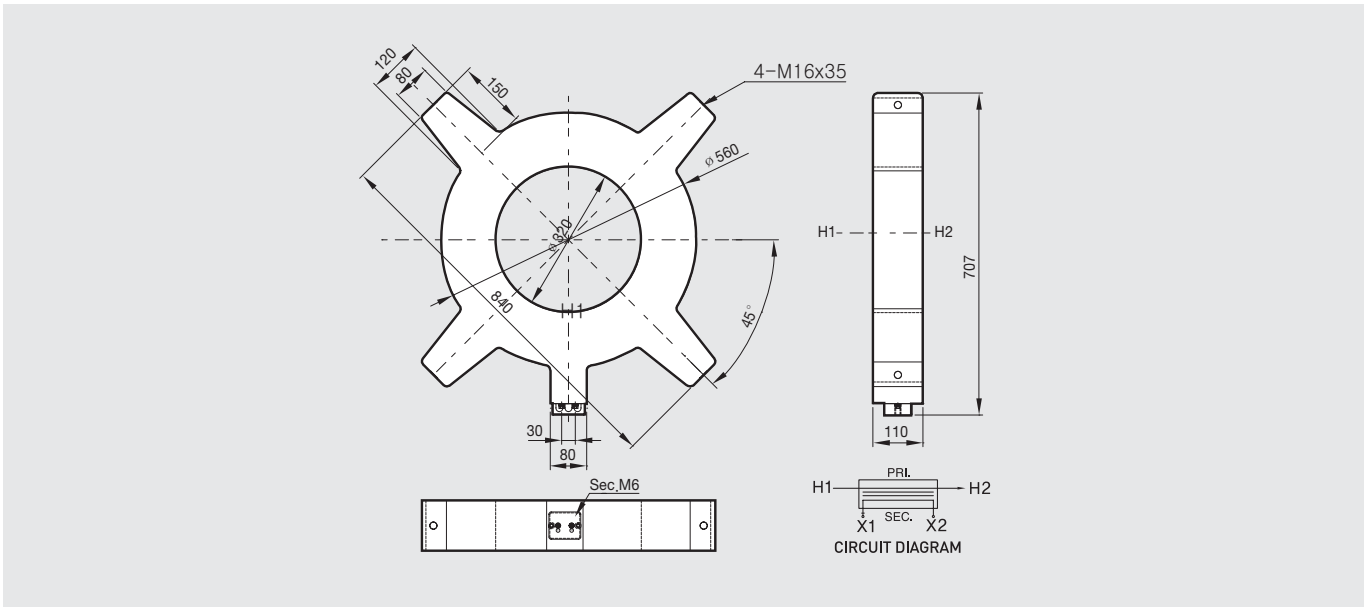
■ 특징 / Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양 / Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 Measuring Class (at 60Hz)	Note
10000/5A	C-800	0.3 B-1.8 (45VA)	외형치수는 주문 사양에 따라 변경될 수 있음.
12000/5A			
14000/5A			
15000/5A			
16000/5A			
22000/5A			
25000/5A			

■ 외형치수 / Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-200

■ 특징/Feature

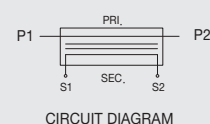
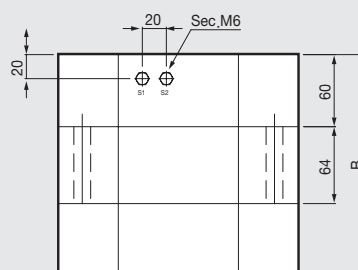
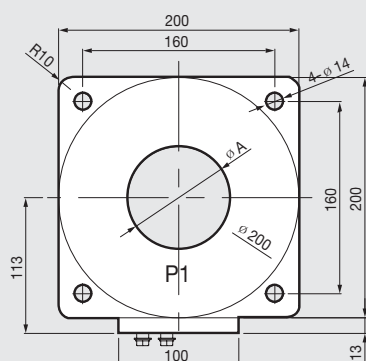
- 규격 / Standard : IEC 61869-2
- 계전기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : For Cable
- 정격연속전류 / Rated Continuous Thermal Current : 120%
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type(Case : ABS)
- 60 or 50Hz

■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치수/dimension(mm)	
						A	B
CIH-200509	60~750A	5A / 1A	1.0	5 VA	≒ 14	ø 55	95
	80~750A			10 VA			
	100~750A			15 VA			
	120~750A			30 VA			
	60~750A	5A / 1A	5P10	5 VA			
	100~750A			10 VA			
	150~750A			15 VA			
	300~750A			30 VA			
	100~750A	5A / 1A	5P20	5 VA			
	200~750A			10 VA			
	250~750A			15 VA			
	500~750A			30 VA			
CIH-200809	80~1500A	5A / 1A	1.0	5 VA	≒ 10	ø 85	95
	80~1500A			10 VA			
	100~1500A			15 VA			
	150~1500A			30 VA			
	80~1500A	5A / 1A	5P10	5 VA			
	80~1500A			10 VA			
	100~1500A			15 VA			
	150~1500A			30 VA			
	120~1500A	5A / 1A	5P20	5 VA			
	250~1500A			10 VA			
	300~1500A			15 VA			
	600~1500A			30 VA			
CIH-201109	100~2500A	5A / 1A	1.0	5 VA	≒ 7	ø 110	95
	120~2500A			10 VA			
	150~2500A			15 VA			
	180~2500A			30 VA			
	100~2500A	5A / 1A	5P10	5 VA			
	200~2500A			10 VA			
	250~2500A			15 VA			
	500~2500A			30 VA			
	200~2500A	5A / 1A	5P20	5 VA			
	300~2500A			10 VA			
	500~2500A			15 VA			
	1000~2500A			30 VA			

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	차수/dimension(mm)	
						A	B
CIH-200518	40~750A	5A / 1A	1.0	5 VA	≒ 28	ø 55	184
	60~750A			10 VA			
	80~750A			15 VA			
	80~750A			30 VA			
	40~750A	5A / 1A	5P10	5 VA			
	60~750A			10 VA			
	80~750A			15 VA			
	120~750A			30 VA			
	40~750A	5A / 1A	5P20	5 VA			
	80~750A			10 VA			
	120~750A			15 VA			
	250~750A			30 VA			
CIH-200818	50~1500A	5A / 1A	1.0	5 VA	≒ 20	ø 85	184
	80~1500A			10 VA			
	80~1500A			15 VA			
	100~1500A			30 VA			
	50~1500A	5A / 1A	5P10	5 VA			
	60~1500A			10 VA			
	80~1500A			15 VA			
	100~1500A			30 VA			
	50~1500A	5A / 1A	5P20	5 VA			
	100~1500A			10 VA			
	150~1500A			15 VA			
	300~1500A			30 VA			
CIH-201118	60~2500A	5A / 1A	1.0	5 VA	≒ 15	ø 110	184
	80~2500A			10 VA			
	100~2500A			15 VA			
	120~2500A			30 VA			
	60~2500A	5A / 1A	5P10	5 VA			
	100~2500A			10 VA			
	150~2500A			15 VA			
	250~2500A			30 VA			
	100~2500A	5A / 1A	5P20	5 VA			
	200~2500A			10 VA			
	300~2500A			15 VA			
	600~2500A			30 VA			

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-250

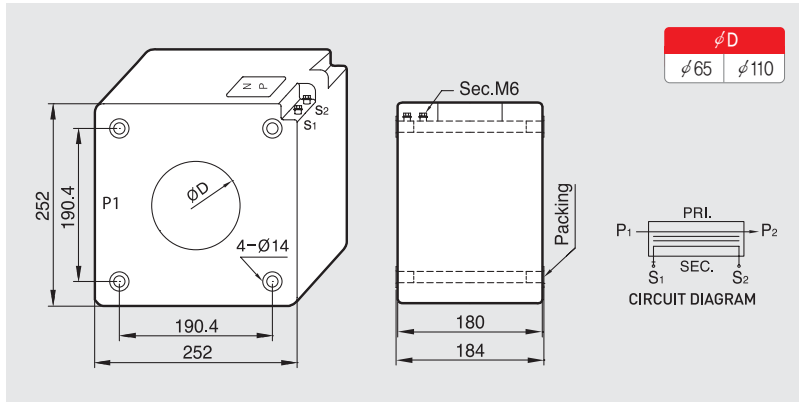
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 계전기용 / Relaying Application
- 절연계급 / Insulation Level : For Cable
- 정격연속전류 / Rated Continuous Thermal Current : 120%
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

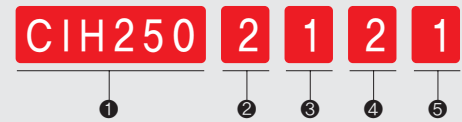
■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	과전류 정수 Over Cur. Fac	중량 Weight(kg)
CIH2502111	50 A	1 A	5P10	5 VA	n > 10	≒ 38
CIH2502211		5 A		5 VA		
CIH2502121		1 A	5P20	5 VA	n > 20	
CIH2502221		5 A		5 VA		
CIH2502131		1 A	10P10	5 VA	n > 10	
CIH2502132		5 A		10 VA		
CIH2502231				5 VA		
CIH2502232				10 VA		
CIH2502141		1 A	10P20	5 VA	n > 20	
CIH2502142		5 A		10 VA		
CIH2502241				5 VA		
CIH2502242				10 VA		
CIH2502311	100 A	1 A	5P10	5 VA	n > 10	
CIH2502312				10 VA		
CIH2502313				15 VA		
CIH2502314				30 VA		
CIH2502411		5 A	5P10	5 VA		
CIH2502412				10 VA		
CIH2502413				15 VA		
CIH2502321		1 A	5P20	5 VA	n > 20	
CIH2502322				10 VA		
CIH2502323				15 VA		
CIH2502421		5 A		5 VA		
CIH2502422				10 VA		
CIH2502423				15 VA		
CIH2502331		1 A	10P10	5 VA	n > 10	
CIH2502332				10 VA		
CIH2502333				15 VA		
CIH2502334				30 VA		
CIH2502431		5 A		5 VA		
CIH2502432				10 VA		
CIH2502433				15 VA		
CIH2502434				30 VA		
CIH2502341		1 A	10P20	5 VA	n > 20	
CIH2502342				10 VA		
CIH2502343				15 VA		
CIH2502431		5 A		5 VA		
CIH2502432				10 VA		
CIH2502433				15 VA		

■ 외형치수/Dimension

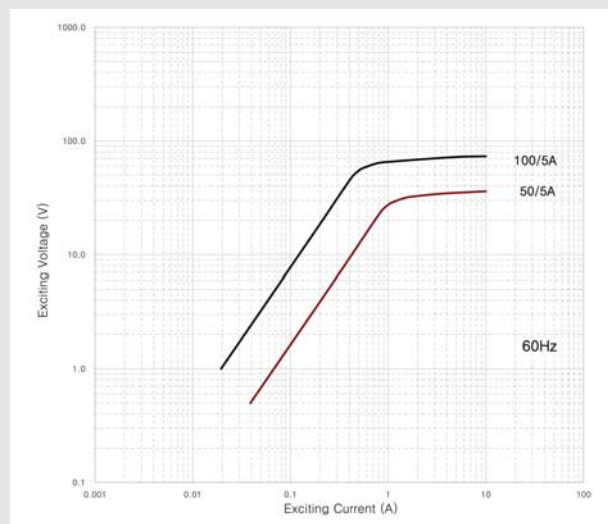
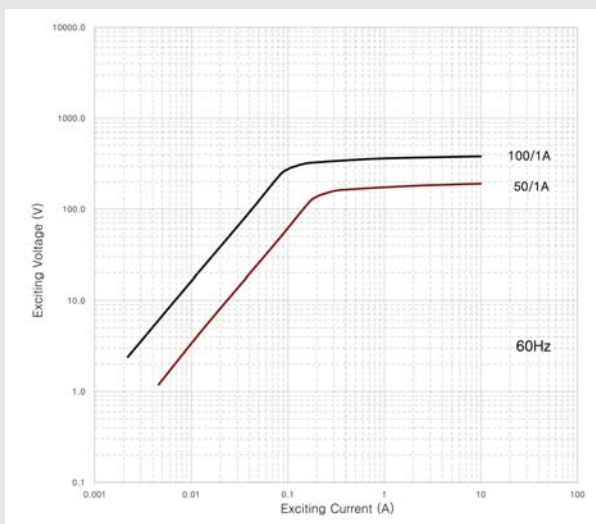
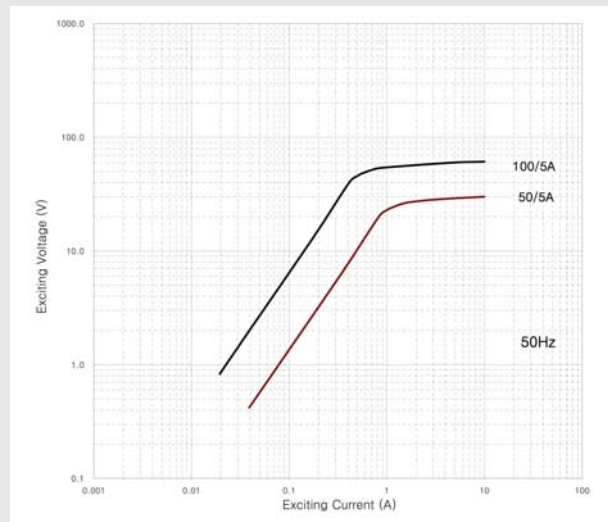
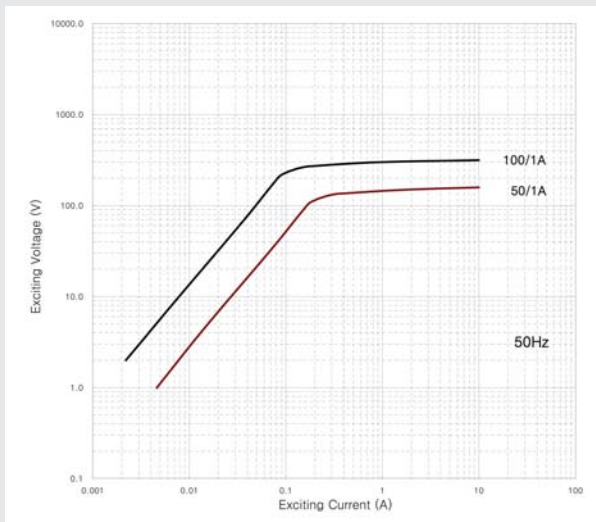


■ 모델명/Model Name



- ① 외함 - [CIH250]
- ② 규격 - [1 = ANSI] [2 = IEC(50Hz/60Hz)]
- ③ 전류 - [1 = 50/1A] [2 = 50/5A] [3 = 100/1A] [4 = 100/5A]
- ④ 계급 - [1 = 5P10] [2 = 5P20] [3 = 10P10] [4 = 10P20]
- ⑤ 부담 - [1 = 5VA] [2 = 10VA] [3 = 15VA] [4 = 30VA]

■ Curves





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-250

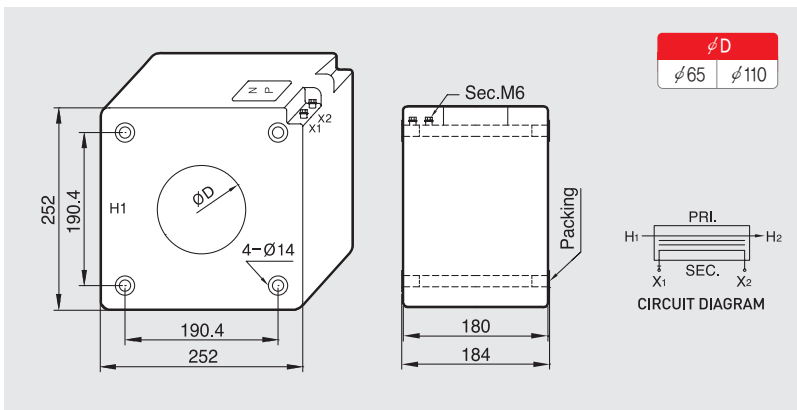
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계전기용 / Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	과전류 정수 Over Cur. Fac	중량 Weight(kg)
CIH2501312	100 A	1 A	C50	2.5 VA	n > 20	≒ 38
CIH2501412		5 A		12.5 VA		
CIH2501121	50 A	1 A	C20	1 VA	n > 20	≒ 38
CIH2501221		5 A		5 VA		
CIH2501133	50 A	1 A	C30	1.5 VA	n > 20	≒ 38
CIH2501233		5 A		7.5 VA		

■ 외형치수/Dimension

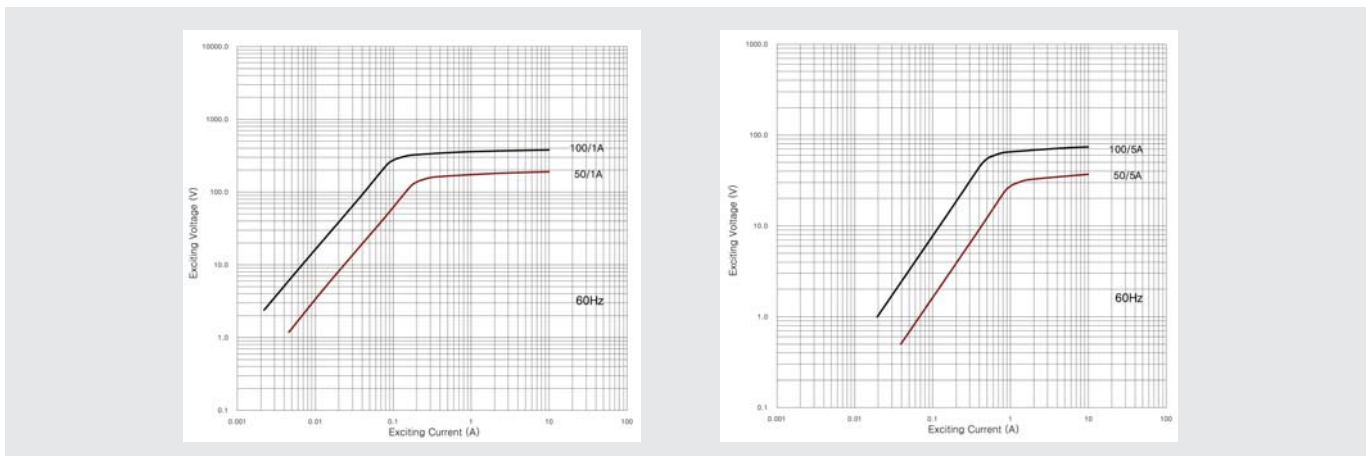


■ 모델명/Model Name

CIH250 1 2 1 1

① 외함 - [CIH250]
 ② 규격 - [1 = IEEE] [2 = IEC(50Hz/60Hz)]
 ③ 전류 - [1 = 50/1A] [2 = 50/5A] [3 = 100/1A] [4 = 100/5A]
 ④ 계급 - [1 = C50] [2 = C20] [3 = C30]
 ⑤ 부담 - [1 = 5VA] [2 = 12.5VA] [3 = 7.5VA]

■ Curves



CIH-251118



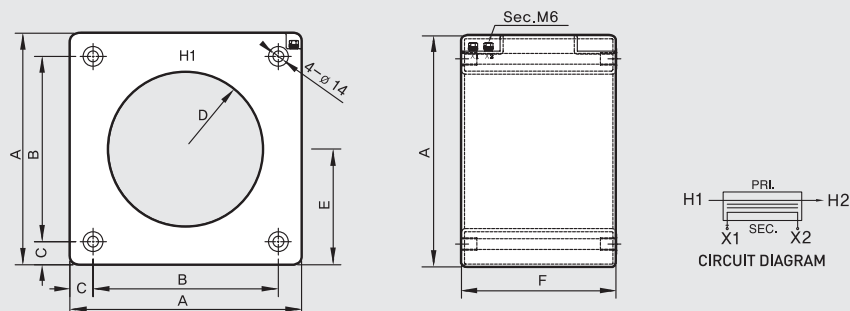
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	차수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
75/5A	C-20	2.4	2.4	-	-	-	≒ 38	252	190.4	30.8	ø110	126	180
100/5A	C-30	2.4	2.4	2.4	4.8	-							
150/5A	C-30	1.2	1.2	2.4	4.8	-							
200/5A	C-50	0.6	0.6	1.2	2.4	4.8							
250/5A	C-50	0.6	0.6	0.6	1.2	2.4							
300/5A	C-100	0.3	0.3	0.6	0.6	1.2							
400/5A	C-100	0.3	0.3	0.6	0.6	1.2							
500/5A	C-100	0.3	0.3	0.6	0.6	1.2							
600/5A	C-200	0.3	0.3	0.3	0.3	0.6							
750/5A	C-200	0.3	0.3	0.3	0.3	0.3							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1600/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-251304

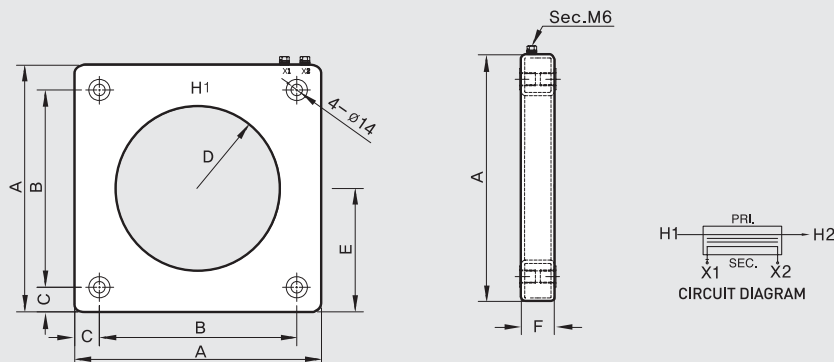
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
200/5A	-	0.6	0.6	1.2	2.4	4.8	≒ 8	252	190.4	30.8	ø135	126	40
250/5A	-	0.3	0.6	1.2	1.2	2.4							
300/5A	-	0.3	0.3	0.6	1.2	2.4							
400/5A	C-20	0.3	0.3	0.6	0.6	1.2							
500/5A	C-20	0.3	0.3	0.3	0.6	0.6							
600/5A	C-30	0.3	0.3	0.3	0.3	0.6							
800/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-50	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-50	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-50	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





CIH-251311

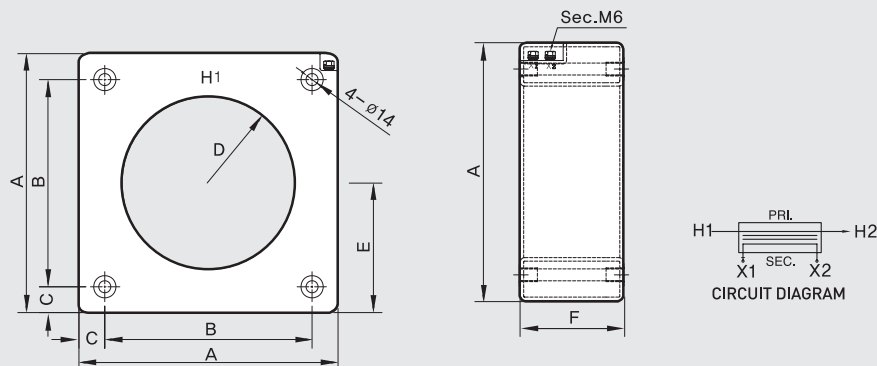
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb, or 1.0 at 55°C Amb,
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
50/5A	C-10	2.4	4.8	-	-	-	≒ 23	252	190.4	30.8	ø135	126	110
100/5A	C-20	1.2	1.2	2.4	2.4	4.8							
150/5A	C-30	0.6	0.6	1.2	1.2	2.4							
200/5A	C-30	0.6	0.6	0.6	1.2	1.2							
300/5A	C-50	0.3	0.3	0.6	0.6	0.6							
400/5A	C-100	0.3	0.3	0.6	0.6	0.6							
500/5A	C-100	0.3	0.3	0.3	0.6	0.6							
600/5A	C-100	0.3	0.3	0.3	0.3	0.6							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-400	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-251318



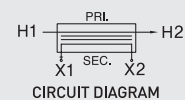
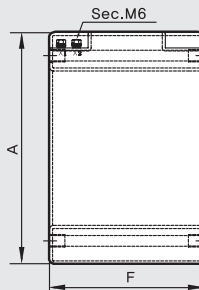
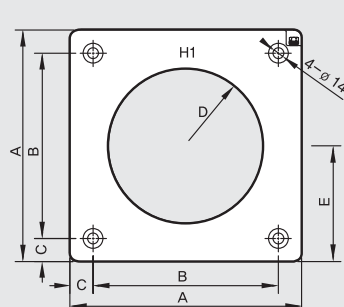
■ 특징 / Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양 / Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
40/5A	C-10	1.2	1.2	4.8	-	-	≒ 34	252	190.4	30.8	ø135	126	180
50/5A	C-20	1.2	1.2	4.8	-	-							
75/5A	C-30	1.2	1.2	4.8	-	-							
100/5A	C-30	0.6	1.2	1.2	2.4	4.8							
150/5A	C-50	0.6	0.6	1.2	1.2	1.2							
200/5A	C-50	0.3	0.6	1.2	1.2	1.2							
300/5A	C-100	0.3	0.3	0.3	1.2	1.2							
400/5A	C-100	0.3	0.3	0.3	0.6	1.2							
500/5A	C-200	0.3	0.3	0.3	0.3	0.6							
600/5A	C-200	0.3	0.3	0.3	0.3	0.6							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수 / Dimension



CIH-251604



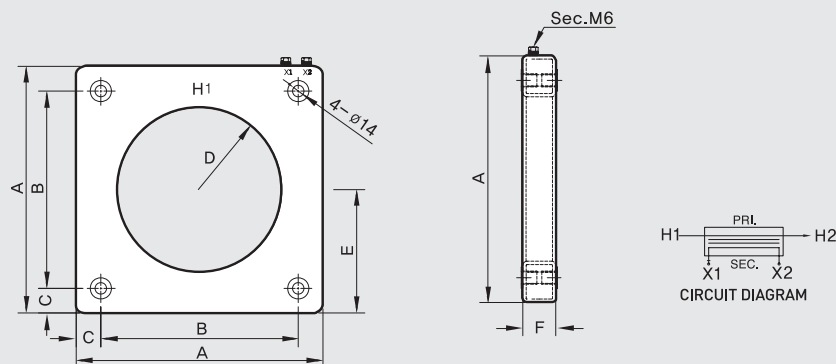
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
200/5A	-	0.6	0.6	1.2	2.4	4.8	≒ 7	252	190.4	30.8	ø165	126	40
250/5A	-	0.3	0.6	1.2	1.2	2.4							
300/5A	-	0.3	0.3	0.6	1.2	2.4							
400/5A	-	0.3	0.3	0.6	0.6	1.2							
500/5A	-	0.3	0.3	0.3	0.6	0.6							
600/5A	C-20	0.3	0.3	0.3	0.3	0.6							
800/5A	C-20	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-30	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-30	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-50	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-50	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-50	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-251611



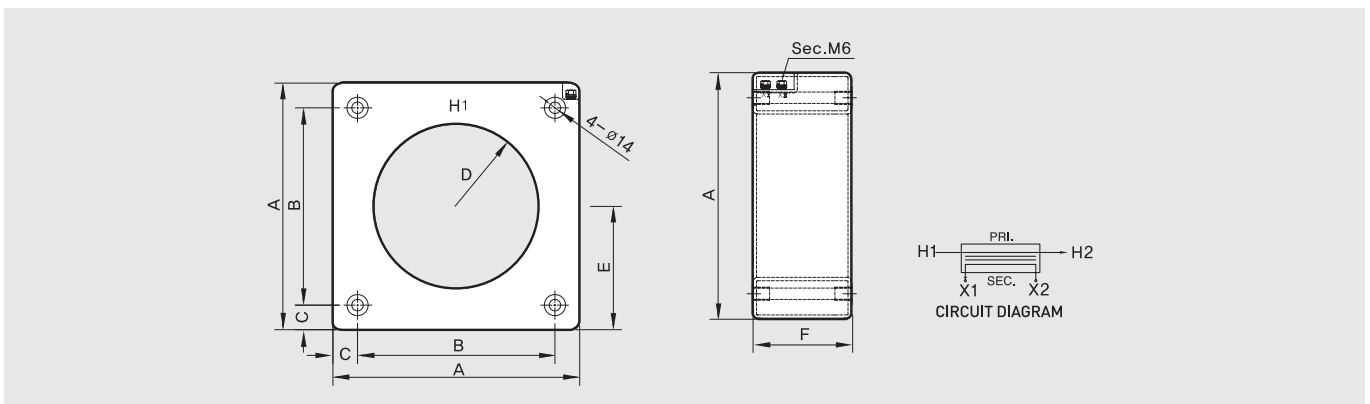
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
150/5A	C-20	1.2	1.2	1.2	2.4	4.8	≒ 19	252	190.4	30.8	ø165	126	110
200/5A	C-30	0.6	0.6	1.2	2.4	2.4							
250/5A	C-30	0.6	0.6	1.2	2.4	2.4							
300/5A	C-30	0.3	0.6	1.2	1.2	2.4							
400/5A	C-50	0.3	0.3	0.6	1.2	1.2							
500/5A	C-50	0.3	0.3	0.3	0.6	1.2							
600/5A	C-50	0.3	0.3	0.3	0.3	0.6							
750/5A	C-50	0.3	0.3	0.3	0.3	0.6							
800/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1600/5A	C-200	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-200	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension



CIH-251618



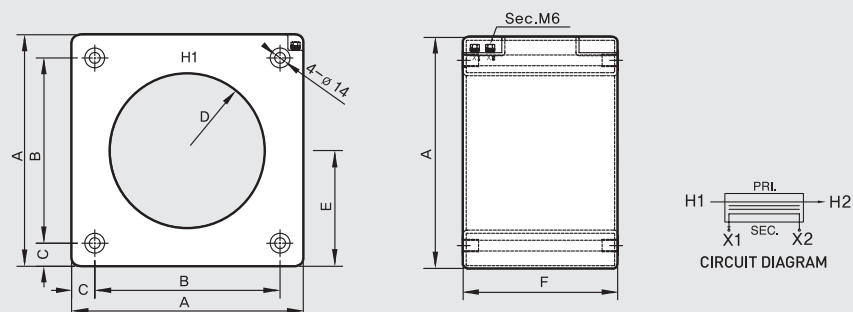
■ 특징 / Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양 / Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	차수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
100/5A	C-20	1.2	1.2	1.2	2.4	4.8	≒ 16	252	190.4	30.8	ø165	126	180
150/5A	C-30	1.2	1.2	1.2	2.4	2.4							
200/5A	C-50	0.6	0.6	1.2	2.4	2.4							
250/5A	C-50	0.6	0.6	1.2	2.4	2.4							
300/5A	C-50	0.3	0.6	0.6	1.2	2.4							
400/5A	C-100	0.3	0.3	0.6	1.2	1.2							
500/5A	C-100	0.3	0.3	0.3	0.6	1.2							
600/5A	C-100	0.3	0.3	0.3	0.3	0.6							
750/5A	C-200	0.3	0.3	0.3	0.3	0.6							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1600/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-400	0.3	0.3	0.3	0.3	0.3							

■ 외형치수 / Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-301304

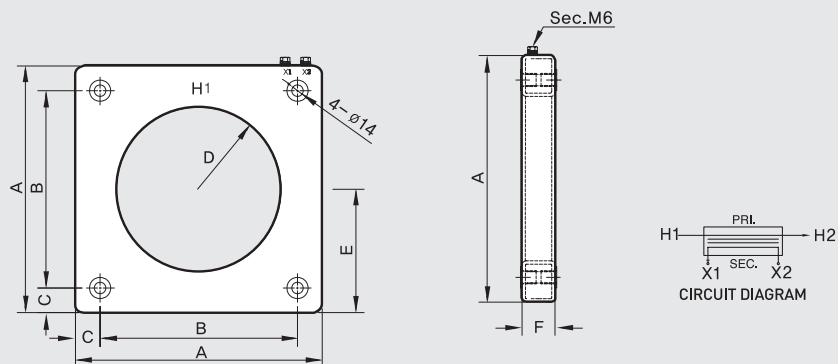
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
100/5A	-	1.2	1.2	4.8	-	-	≒ 12	300	240	30	ø135	150	40
150/5A	-	0.6	1.2	1.2	2.4	4.8							
200/5A	-	0.3	0.6	1.2	2.4	4.8							
250/5A	C-20	0.3	0.6	1.2	1.2	2.4							
300/5A	C-20	0.3	0.3	0.6	1.2	1.2							
400/5A	C-30	0.3	0.3	0.3	0.6	1.2							
500/5A	C-30	0.3	0.3	0.3	0.3	0.6							
600/5A	C-50	0.3	0.3	0.3	0.3	0.6							
800/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-100	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension



CIH-301312



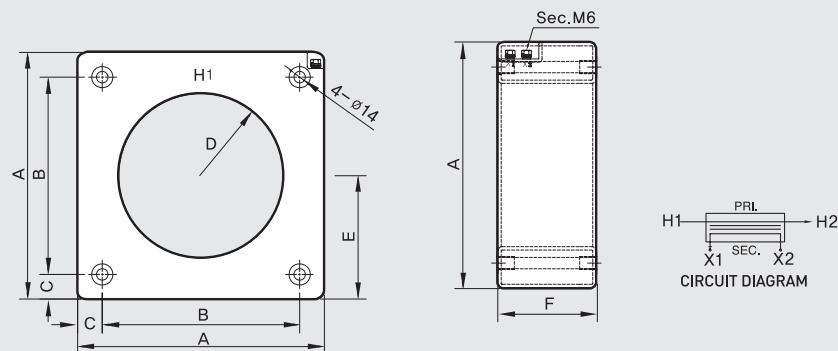
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
50/5A	C-20	1.2	1.2	2.4	4.8	-	≒ 41	300	240	30	ø135	150	120
100/5A	C-50	0.6	0.6	1.2	2.4	4.8							
150/5A	C-50	0.3	0.3	0.6	1.2	2.4							
200/5A	C-50	0.3	0.3	0.3	0.6	1.2							
300/5A	C-100	0.3	0.3	0.3	0.6	0.6							
400/5A	C-100	0.3	0.3	0.3	0.3	0.6							
500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
600/5A	C-200	0.3	0.3	0.3	0.3	0.3							
800/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-301320

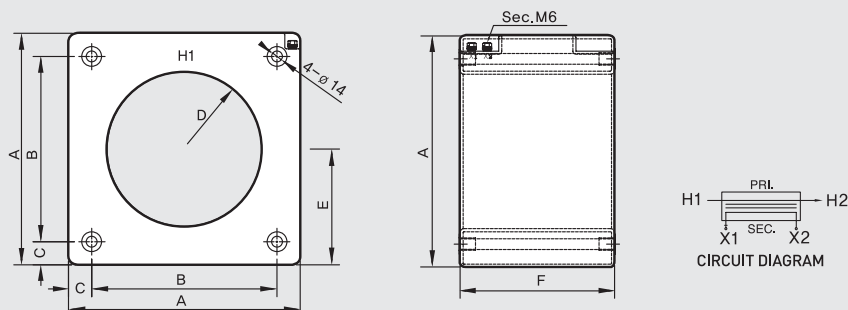
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
30/5A	C-20	1.2	1.2	2.4	4.8	-	≒ 68	300	240	30	ø135	150	200
50/5A	C-30	1.2	1.2	2.4	4.8	-							
75/5A	C-50	0.6	1.2	2.4	4.8	-							
100/5A	C-50	0.3	0.6	1.2	1.2	2.4							
150/5A	C-100	0.3	0.6	1.2	1.2	1.2							
200/5A	C-100	0.3	0.3	0.6	1.2	1.2							
250/5A	C-200	0.3	0.3	0.6	1.2	1.2							
300/5A	C-200	0.3	0.3	0.3	0.3	0.6							
400/5A	C-200	0.3	0.3	0.3	0.3	0.3							
500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
600/5A	C-400	0.3	0.3	0.3	0.3	0.3							
800/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-800	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension



CIH-301504



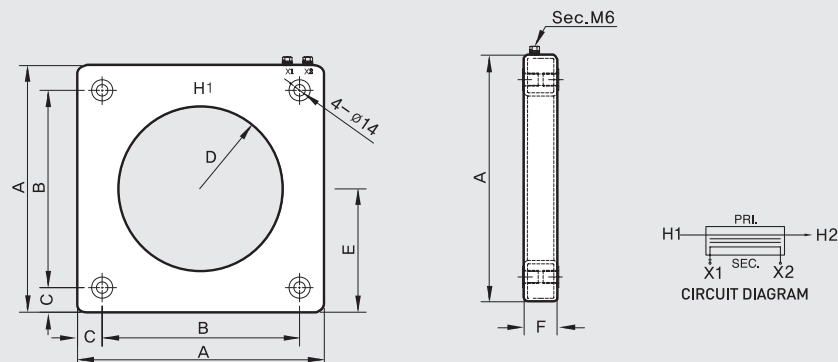
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb, or 1.0 at 55°C Amb,
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	차수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
100/5A	-	1.2	1.2	4.8	-	-	≒ 11	300	240	30	ø150	150	40
150/5A	-	0.6	1.2	2.4	4.8	4.8							
200/5A	-	0.6	0.6	1.2	2.4	4.8							
250/5A	-	0.3	0.6	1.2	1.2	2.4							
300/5A	C-20	0.3	0.3	0.6	1.2	2.4							
400/5A	C-20	0.3	0.3	0.6	0.6	1.2							
500/5A	C-30	0.3	0.3	0.3	0.6	0.6							
600/5A	C-30	0.3	0.3	0.3	0.3	0.6							
800/5A	C-50	0.3	0.3	0.3	0.3	0.6							
1000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-50	0.3	0.3	0.3	0.3	0.3							
1600/5A	C-100	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-100	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-100	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-301512



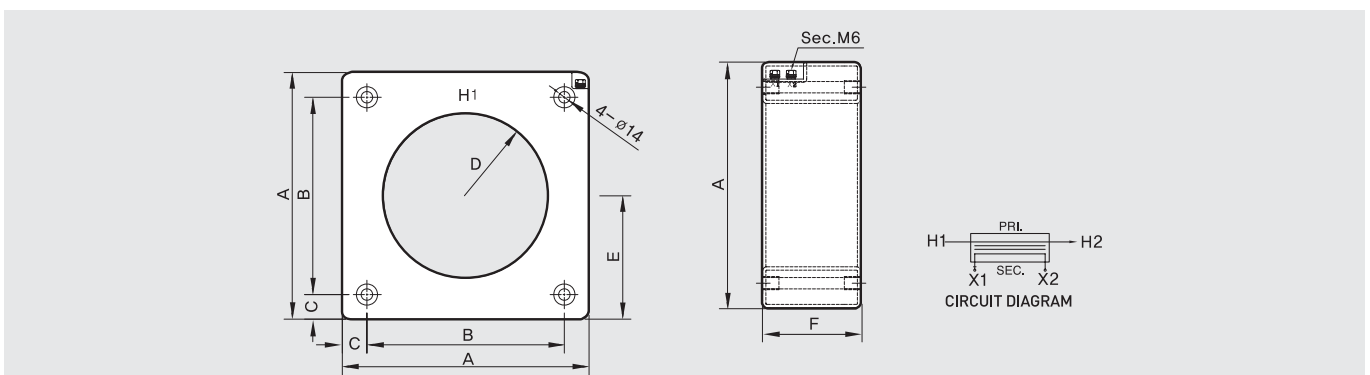
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
75/5A	C-20	1.2	1.2	2.4	2.4	4.8	≒ 36	300	240	30	ø150	150	120
100/5A	C-30	1.2	1.2	1.2	2.4	4.8							
150/5A	C-50	0.6	1.2	1.2	1.2	2.4							
200/5A	C-50	0.6	0.6	0.6	1.2	1.2							
250/5A	C-100	0.3	0.3	0.6	1.2	1.2							
300/5A	C-100	0.3	0.3	0.6	0.6	0.6							
400/5A	C-100	0.3	0.3	0.3	0.6	0.6							
500/5A	C-200	0.3	0.3	0.3	0.3	0.6							
600/5A	C-200	0.3	0.3	0.3	0.3	0.3							
750/5A	C-200	0.3	0.3	0.3	0.3	0.3							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1600/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension



CIH-301520



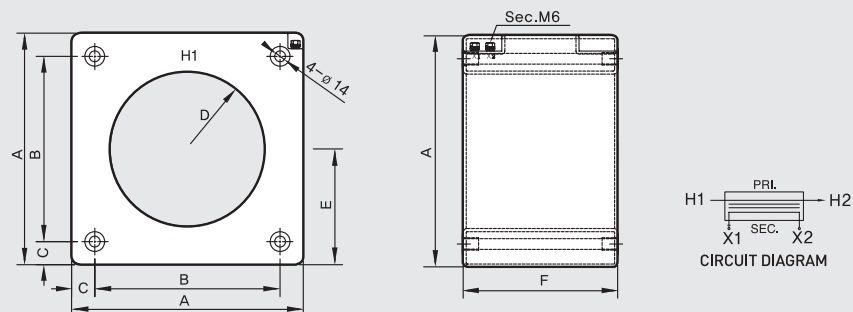
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	차수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
30/5A	C-20	1.2	1.2	2.4	—	—	≒ 64	300	240	30	ø150	150	200
40/5A	C-20	1.2	1.2	2.4	4.8	—							
50/5A	C-30	1.2	1.2	2.4	4.8	—							
100/5A	C-50	0.3	0.6	1.2	1.2	2.4							
150/5A	C-100	0.3	0.3	0.6	0.6	1.2							
200/5A	C-100	0.3	0.3	0.3	0.6	0.3							
250/5A	C-100	0.3	0.3	0.3	0.3	0.3							
300/5A	C-200	0.3	0.3	0.3	0.3	0.3							
400/5A	C-200	0.3	0.3	0.3	0.3	0.3							
500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
600/5A	C-400	0.3	0.3	0.3	0.3	0.3							
750/5A	C-400	0.3	0.3	0.3	0.3	0.3							
800/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-800	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer

CIH-302004



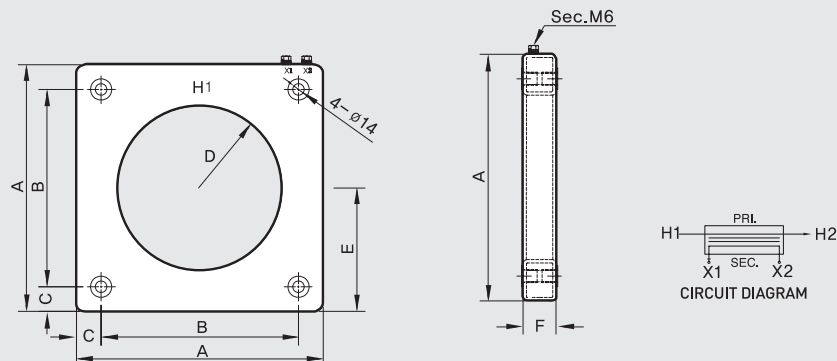
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
150/5A	-	1.2	2.4	4.8	4.8	-	≈ 9	300	240	30	ø200	150	40
200/5A	-	0.6	1.2	2.4	4.8	-							
250/5A	-	0.6	1.2	2.4	2.4	4.8							
300/5A	-	0.3	0.6	1.2	2.4	2.4							
400/5A	-	0.3	0.3	0.6	1.2	2.4							
500/5A	-	0.3	0.3	0.6	0.6	1.2							
600/5A	C-20	0.3	0.3	0.3	0.6	1.2							
800/5A	C-20	0.3	0.3	0.3	0.3	0.6							
1000/5A	C-30	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-30	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-30	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-50	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-50	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension



CIH-302012



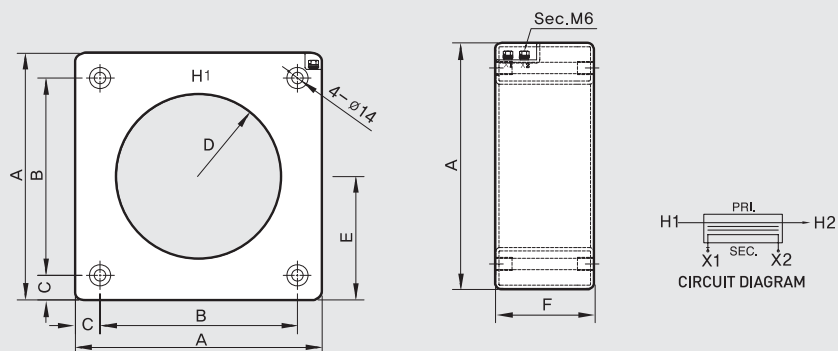
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	차수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
100/5A	C-20	0.6	1.2	2.4	4.8	4.8	≒ 25	300	240	30	ø200	150	120
150/5A	C-30	0.6	0.6	1.2	2.4	2.4							
200/5A	C-30	0.3	0.3	0.6	1.2	2.4							
250/5A	C-50	0.3	0.3	0.6	0.6	1.2							
300/5A	C-50	0.3	0.3	0.3	0.6	1.2							
400/5A	C-50	0.3	0.3	0.3	0.3	0.6							
500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
600/5A	C-100	0.3	0.3	0.3	0.3	0.3							
750/5A	C-100	0.3	0.3	0.3	0.3	0.3							
800/5A	C-100	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-400	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-302020

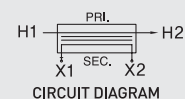
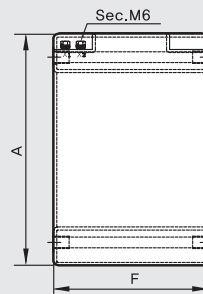
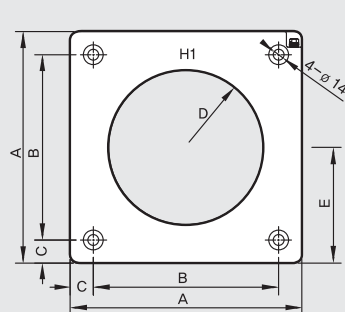
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
50/5A	C-20	1.2	1.2	2.4	4.8	-	≒ 42	300	240	30	ø200	150	200
100/5A	C-30	0.6	0.6	1.2	2.4	4.8							
150/5A	C-50	0.3	0.3	0.6	1.2	2.4							
200/5A	C-50	0.3	0.3	0.6	0.6	1.2							
300/5A	C-100	0.3	0.3	0.3	0.3	0.6							
400/5A	C-100	0.3	0.3	0.3	0.3	0.3							
500/5A	C-100	0.3	0.3	0.3	0.3	0.3							
600/5A	C-200	0.3	0.3	0.3	0.3	0.3							
750/5A	C-200	0.3	0.3	0.3	0.3	0.3							
800/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-800	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

■ 외형치수/Dimension





CIH-2211

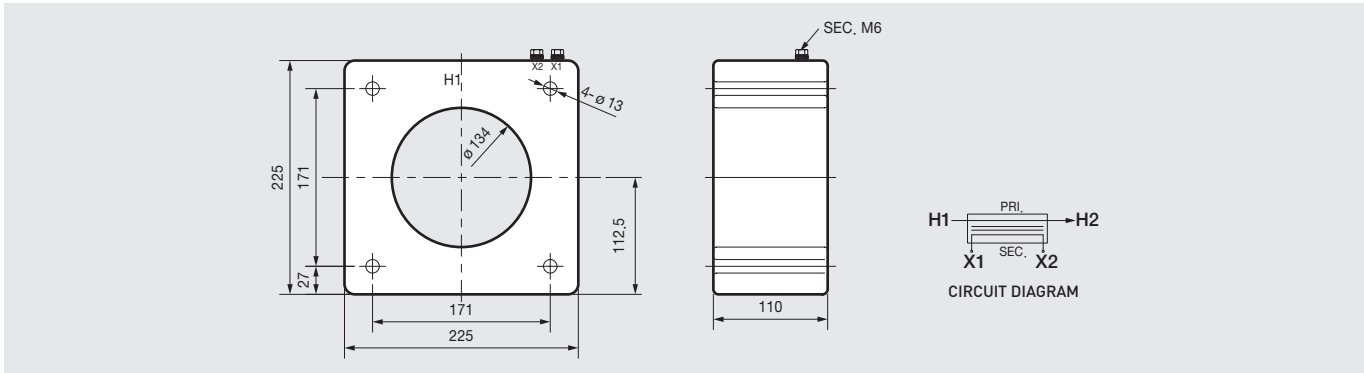
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb, or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
		B-0.1 (2.5VA)	B-0.2 (5.0VA)	B-0.5 (12.5VA)	B-0.9 (22.5VA)	B-1.8 (45VA)
200/5A	C-20	0.6	0.6	1.2	2.4	—
250/5A	C-20	0.6	0.6	1.2	2.4	2.4
300/5A	C-50	0.3	0.6	1.2	1.2	2.4
400/5A	C-50	0.3	0.3	0.6	1.2	1.2
500/5A	C-50	0.3	0.3	0.3	0.6	1.2
600/5A	C-100	0.3	0.3	0.3	0.3	0.6
750/5A	C-100	0.3	0.3	0.3	0.3	0.6
800/5A	C-100	0.3	0.3	0.3	0.3	0.3
1000/5A	C-100	0.3	0.3	0.3	0.3	0.3
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
1500/5A	C-200	0.3	0.3	0.3	0.3	0.3
1600/5A	C-200	0.3	0.3	0.3	0.3	0.3
2000/5A	C-200	0.3	0.3	0.3	0.3	0.3
2500/5A	C-200	0.3	0.3	0.3	0.3	0.3
3000/5A	C-200	0.3	0.3	0.3	0.3	0.3
3500/5A	C-200	0.3	0.3	0.3	0.3	0.3
4000/5A	C-200	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension





봇싱형 변류기

Bushing & Cable Current Transformer



CIH-2217

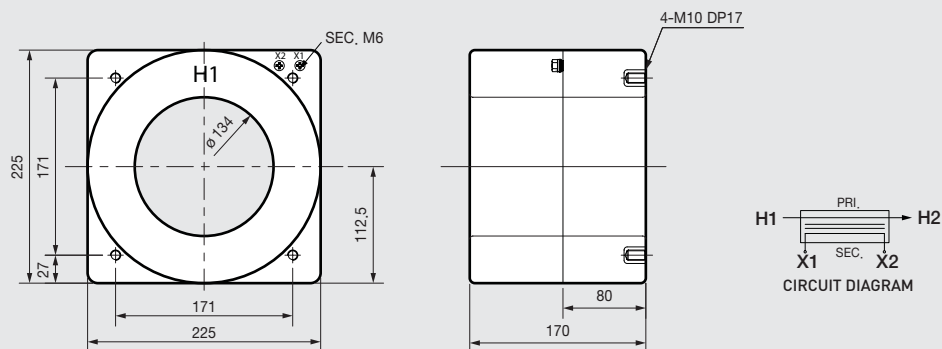
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
		B-0.1 (2.5VA)	B-0.2 (5.0VA)	B-0.5 (12.5VA)	B-0.9 (22.5VA)	B-1.8 (45VA)
75/5A	C-10	2.4	4.8	—	—	—
100/5A	C-20	1.2	2.4	4.8	—	—
150/5A	C-20	0.6	1.2	2.4	4.8	—
200/5A	C-50	0.6	0.6	1.2	2.4	2.4
300/5A	C-50	0.3	0.3	0.6	1.2	1.2
400/5A	C-100	0.3	0.3	0.3	0.6	1.2
500/5A	C-100	0.3	0.3	0.3	0.3	0.6
600/5A	C-100	0.3	0.3	0.3	0.3	0.6
800/5A	C-200	0.3	0.3	0.3	0.3	0.3
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3
1600/5A	C-400	0.3	0.3	0.3	0.3	0.3
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3
3500/5A	C-400	0.3	0.3	0.3	0.3	0.3
4000/5A	C-400	0.3	0.3	0.3	0.3	0.3
5000/5A	C-400	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension



SCR-150/200/250



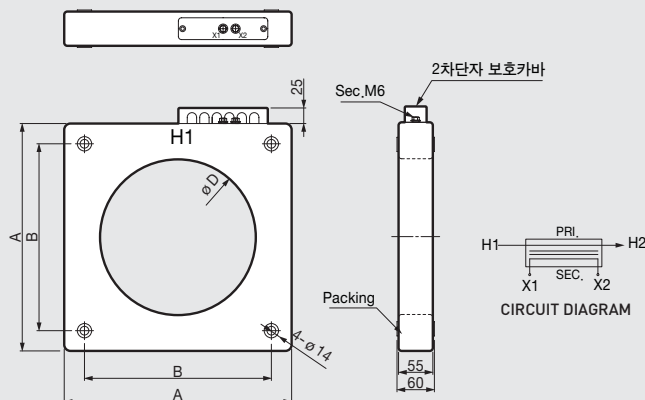
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.0, 1.33, 1.5, 2.0, 3.0 or 4.0 at 30°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)				
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
50/5A	-	-	-	-	-	-
100/5A	C-10	1.2	1.2	-	-	-
150/5A	C-10	1.2	1.2	1.2	2.4	-
200/5A	C-20	0.6	0.6	1.2	1.2	2.4
300/5A	C-20	0.6	0.6	0.6	1.2	1.2
400/5A	C-20	0.3	0.6	0.6	1.2	1.2
500/5A	C-50	0.3	0.3	0.6	0.6	0.6
600/5A	C-50	0.3	0.3	0.3	0.3	0.3
750/5A	C-50	0.3	0.3	0.3	0.3	0.3
800/5A	C-50	0.3	0.3	0.3	0.3	0.3
1000/5A	C-100	0.3	0.3	0.3	0.3	0.3
1200/5A	C-100	0.3	0.3	0.3	0.3	0.3
1500/5A	C-100	0.3	0.3	0.3	0.3	0.3
2000/5A	C-100	0.3	0.3	0.3	0.3	0.3
2500/5A	C-100	0.3	0.3	0.3	0.3	0.3
3000/5A	C-100	0.3	0.3	0.3	0.3	0.3
4000/5A	C-100	0.3	0.3	0.3	0.3	0.3
5000/5A	C-100	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension



SCR-150/200/250

Type	A	B	In Dia(D)	Weight(kg)
SCR-150	250	200	Ø150	≒ 10
SCR-200	315	250	Ø200	≒ 11
SCR-250	365	300	Ø250	≒ 11.4



봇싱형 변류기

Bushing & Cable Current Transformer

SCR-150W/200W/250W



■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.0, 1.33, 1.5, 2.0, 3.0 or 4.0 at 30°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)				
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
50/5A	-	-	-	-	-	-
100/5A	C-10	1.2	1.2	2.4	-	-
150/5A	C-20	1.2	1.2	1.2	2.4	-
200/5A	C-30	0.6	0.6	1.2	1.2	-
300/5A	C-50	0.6	0.6	0.6	0.6	1.2
400/5A	C-50	0.3	0.6	0.6	1.2	1.2
500/5A	C-100	0.3	0.3	0.6	0.6	0.6
600/5A	C-100	0.3	0.3	0.3	0.3	0.3
750/5A	C-100	0.3	0.3	0.3	0.3	0.3
800/5A	C-100	0.3	0.3	0.3	0.3	0.3
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
1500/5A	C-200	0.3	0.3	0.3	0.3	0.3
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3
4000/5A	C-400	0.3	0.3	0.3	0.3	0.3
5000/5A	C-400	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension

Technical drawings showing dimensions (A, B, ØD, 4-Ø14, 105, 107) and labels (H1, X1, X2, Sec. M6, 고무패킹, CIRCUIT DIAGRAM, PRI., SEC., H2).

SCR-150W/200W/250W

Type	A	B	In Dia(D)	Weight(kg)
SCR-150W	250	200	Ø150	≒ 16.5
SCR-200W	315	250	Ø200	≒ 20
SCR-250W	365	300	Ø250	≒ 25



SCR-300

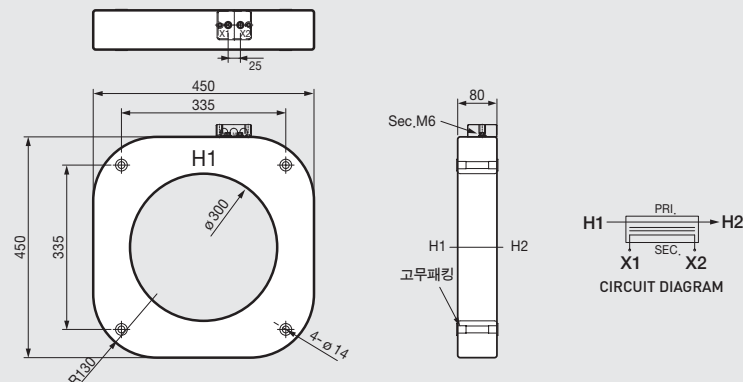
■ 특징/Feature

- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.0, 1.33, 1.5, 2.0, 3.0 or 4.0 at 30°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
		B-0.1 (2.5VA)	B-0.2 (5.0VA)	B-0.5 (12.5VA)	B-0.9 (22.5VA)	B-1.8 (45VA)
50/5A	C-10	—	—	—	—	—
100/5A	C-20	1.2	1.2	—	—	—
150/5A	C-30	0.6	1.2	1.2	—	—
200/5A	C-50	0.3	0.6	0.6	1.2	—
300/5A	C-50	0.3	0.3	0.6	0.6	1.2
400/5A	C-100	0.3	0.3	0.3	0.3	1.2
500/5A	C-100	0.3	0.3	0.3	0.3	0.6
600/5A	C-100	0.3	0.3	0.3	0.3	0.3
800/5A	C-200	0.3	0.3	0.3	0.3	0.3
1000/5A	C-200	0.3	0.3	0.3	0.3	0.3
1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3
3000/5A	C-400	0.3	0.3	0.3	0.3	0.3
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3

■ 외형치수/Dimension





옥외용 변류기

Bushing & Cable Current Transformer for Outdoor



CIHO-301312

■ 특징/Feature

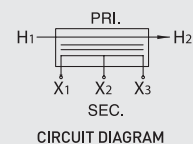
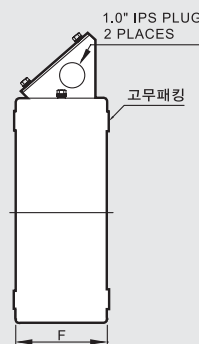
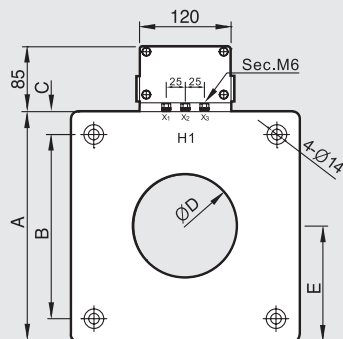
- 규격 / Standard : IEEE C 57.13
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.33 at 30°C Amb. or 1.0 at 55°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz

■ 사양/Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)					중량 Weight(kg)	치수 / Dimension(mm)					
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)		A	B	C	D	E	F
50/5A	C-20	1.2	1.2	2.4	4.8	-	≒ 28	300	240	30	ø135	150	120
100/5A	C-50	0.6	0.6	1.2	2.4	4.8							
150/5A	C-50	0.3	0.3	0.6	1.2	2.4							
200/5A	C-50	0.3	0.3	0.3	0.6	1.2							
300/5A	C-100	0.3	0.3	0.3	0.6	0.6							
400/5A	C-100	0.3	0.3	0.3	0.3	0.6							
500/5A	C-200	0.3	0.3	0.3	0.3	0.3							
600/5A	C-200	0.3	0.3	0.3	0.3	0.3							
800/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3							
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3							
2500/5A	C-400	0.3	0.3	0.3	0.3	0.3							
3000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
4000/5A	C-800	0.3	0.3	0.3	0.3	0.3							
5000/5A	C-800	0.3	0.3	0.3	0.3	0.3							

※ 취부대 주문 적용 가능합니다(Mounting Plate option is available)

■ 외형치수/Dimension



■ Memo

C

BCT



Current Transformer



KS C 1706, 1707



Certification ISO 9001, 14001



Conformite European



1-E Class Certi



www.kideco.co.kr/1706&1707
No. 2016-1706

CONTENTS

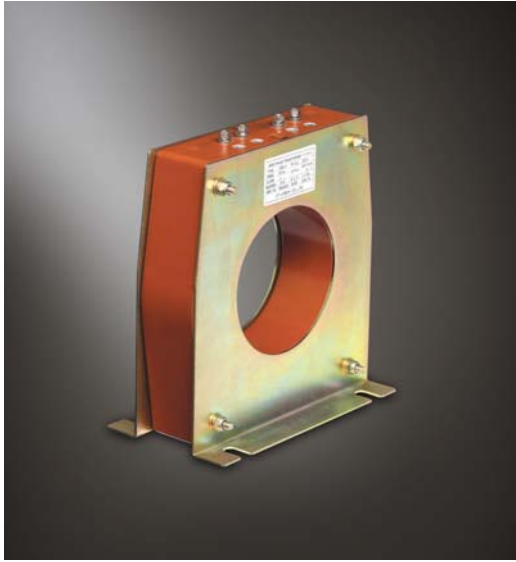
Zero Phase Current Transformer —————140

Split Type Current Transformer —————152



영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZS-08/11/15/20

선택지락 계전기용, S.G.R

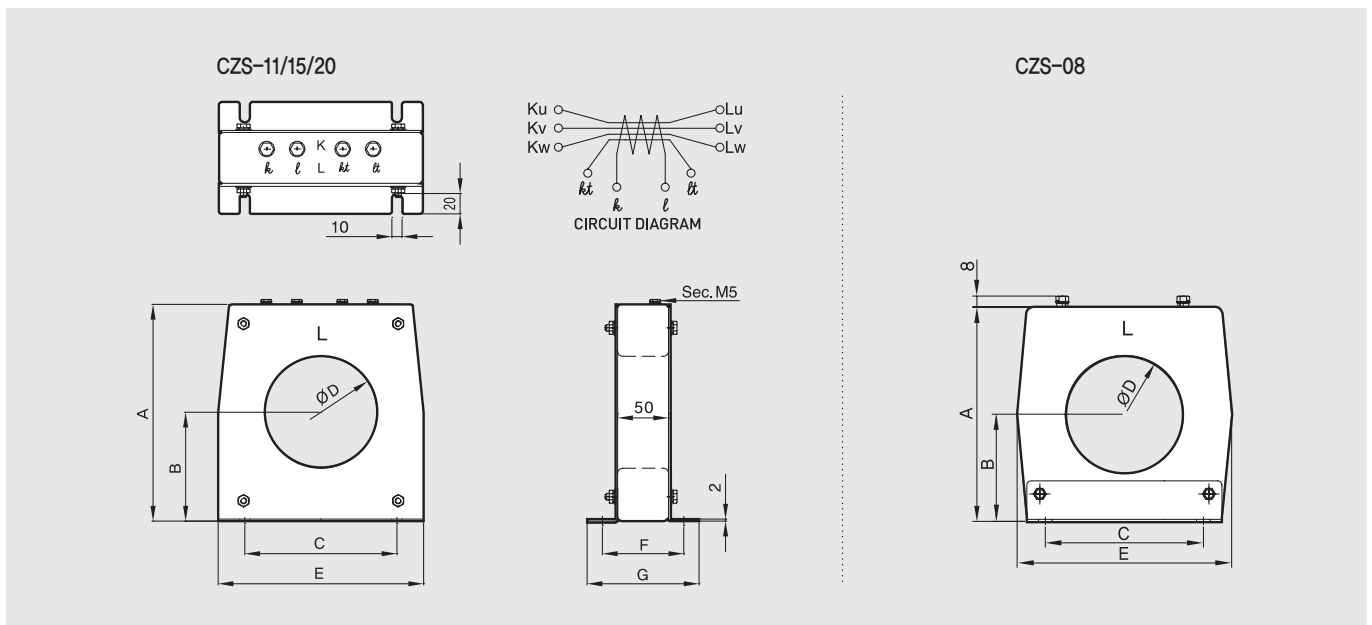
■ 특징/Feature

- 규격 / Standard : JEC 1201
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 200mA, Secondary : 1.5mA
- 오차계급 / Accuracy Class :
L Class (1.0mA ~ 2.0mA), H Class (1.2mA ~ 1.8mA)
- 정격부담 / Rated Burden : 10Ω (P.F 0.5 Lag Current)
- 정격과전류 배수 / Rated Over Current Factor : $n > 100$ (L), $n > 2000$ (H)
- 60 or 50Hz

■ 사양/Specification

Type	In Dia(D)	치수 / Dimension(mm)					
		A	B	C	E	F	G
CZS-08	Ø85	156	78	115	156	80	110
CZS-11	Ø110	213	107	150	200	80	110
CZS-15	Ø150	252	126	150	240	80	110
CZS-20	Ø200	320	160	150	300	80	110

■ 외형치수/Dimension





CZ-08/11/15/20

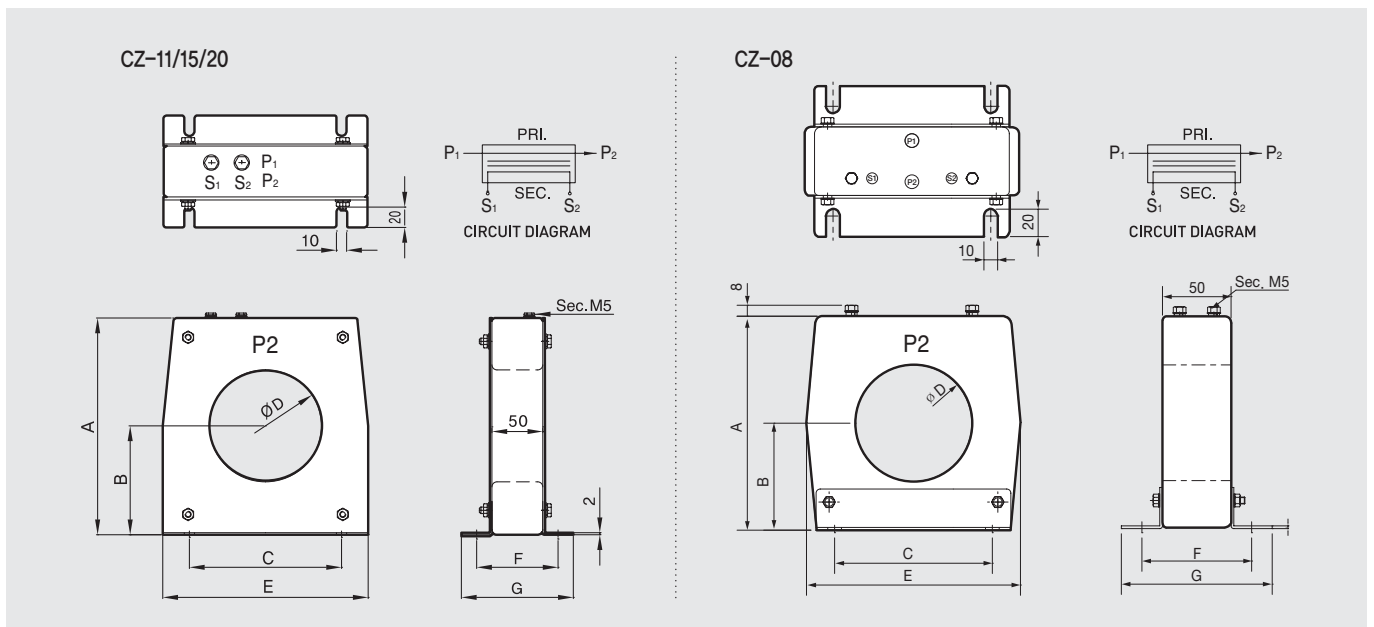
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~100A, Secondary : 5A / 1A
- 오차계급 / Accuracy Class : 5P or 10P
- 정격부담 / Rated Burden : 1VA~5VA
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

Type	In Dia(D)	치수 / Dimension(mm)					
		A	B	C	E	F	G
CZ-08	Ø85	156	78	115	156	80	110
CZ-11	Ø110	213	107	150	200	80	110
CZ-15	Ø150	252	126	150	240	80	110
CZ-20	Ø200	320	160	150	300	80	110

■ 외형치수 / Dimension





영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZC/CZCY-08/11/15/20

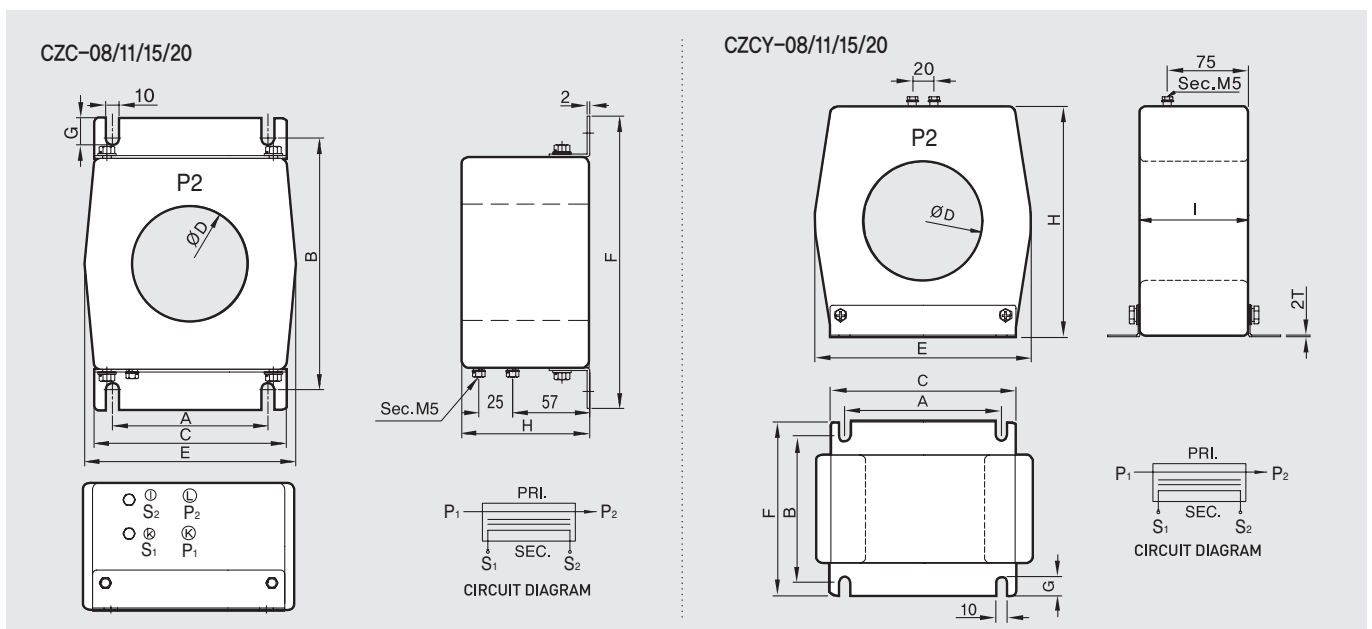
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 오차계급 / Accuracy Class : 5P or 10P
- 정격부담 / Rated Burden : 5VA~15VA
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

Type	In Dia(D)	차수 / Dimension(mm)							
		A	B	C	E	F	G	H	I
CZC-08	Ø85	115	190	142	156	215	20	95	-
CZC-11	Ø110	145	250	172	200	270	17.5	100	-
CZC-1165	Ø65	145	250	172	200	270	17.5	100	-
CZC-15	Ø150	150	285	200	240	310	20	100	-
CZC-1511	Ø110	150	285	200	240	310	20	100	-
CZC-20	Ø200	150	355	200	300	380	20	100	-
CZC-2015	Ø150	150	355	200	300	380	20	100	-
CZC-2085	Ø150	150	355	200	300	380	20	100	-
CZCY-08	Ø85	115	125	142	156	155	20	160	95
CZCY-11	Ø110	145	135	172	200	160	17.5	215	100
CZCY-1165	Ø65	145	135	172	200	160	17.5	215	100
CZCY-15	Ø150	150	130	200	240	160	20	255	100
CZCY-1511	Ø110	150	130	200	240	160	20	255	100
CZCY-20	Ø200	150	130	200	300	160	20	320	100
CZCY-2015	Ø150	150	130	200	300	160	20	320	100
CZCY-2085	Ø150	150	130	200	300	160	20	320	100

■ 외형치수 / Dimension





CZ-3020 / 3035

최고회로 전압

Max. Voltage : 0.72~1.2kV

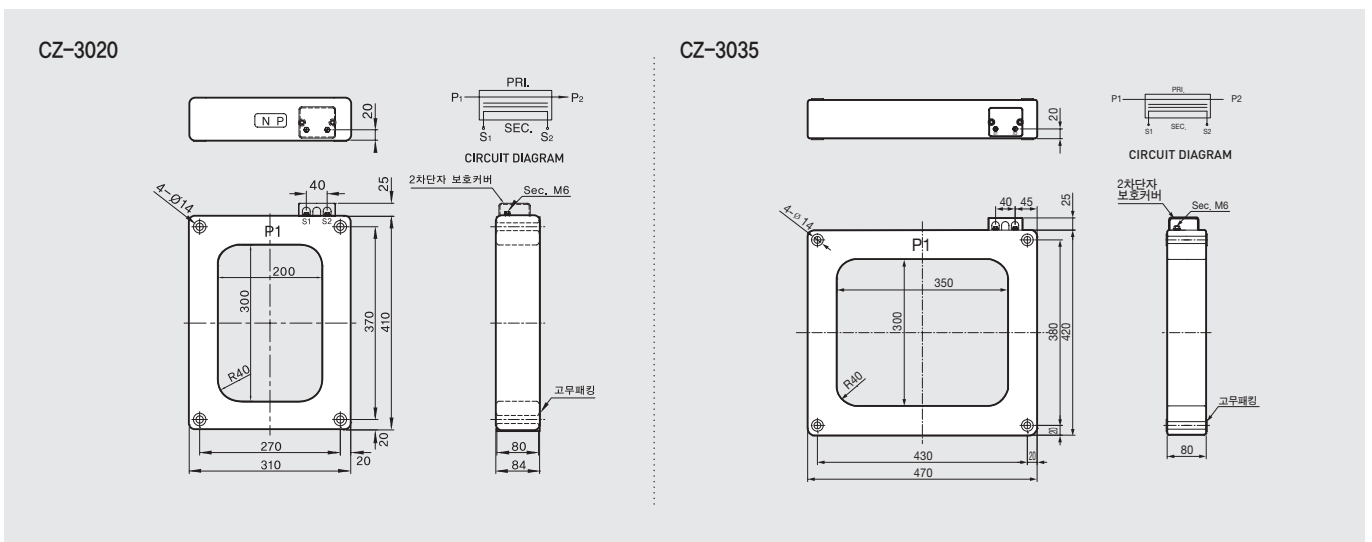
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

Type	CZ-3020				CZ-3035			
1차전류 Pri.Cur.	2차전류 Sec.Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10	2차전류 Sec.Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×200	—	1VA	5A / 1A	300×350	—	2.5VA
100A			2VA	5VA			2VA	5VA
150A			2.5VA	7.5VA			5VA	10VA
300A			10VA	15VA			15VA	20VA
500A			30VA	30VA			30VA	30VA
600A			35VA	35VA			40VA	40VA
1200A			40VA	40VA			40VA	40VA
2000A			40VA	40VA			40VA	40VA

■ 외형치수 / Dimension





영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZ-3050 / 4050

최고회로 전압

Max. Voltage : 0.72~1.2kV

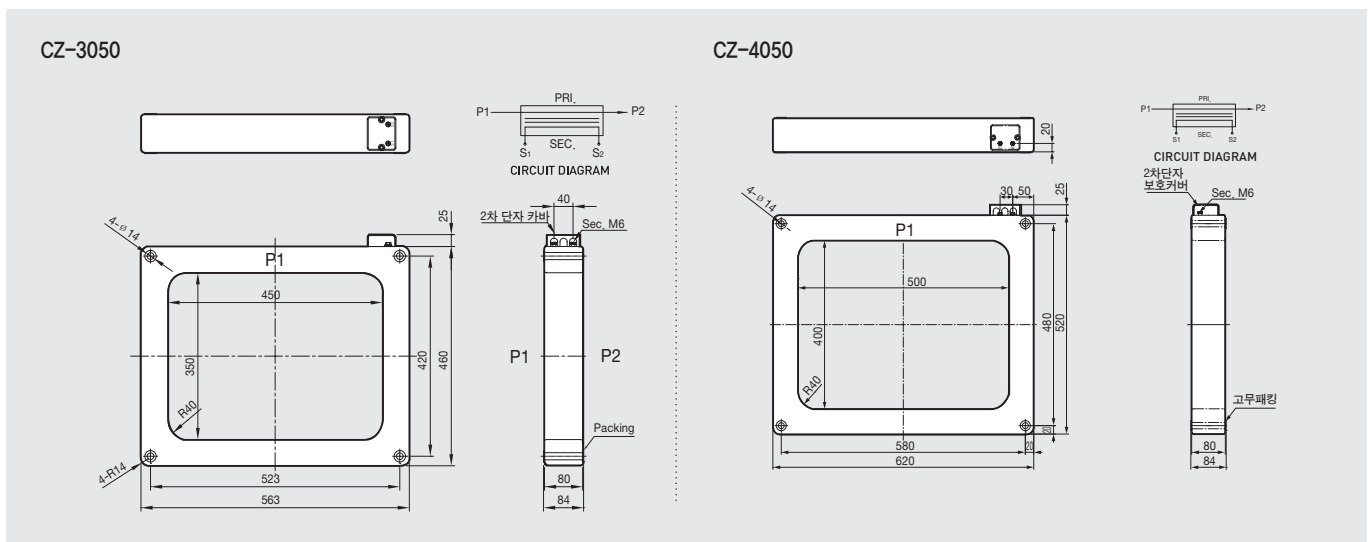
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

Type	CZ-3050				CZ-4050			
1차전류 Pri.Cur.	2차전류 Sec.Cur.	Window Size (mm)	계급 Class 5P10	계급 Class10P10	2차전류 Sec.Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×500	—	1VA	5A / 1A	400×500	—	2.5VA
100A			2VA	5VA			2VA	5VA
150A			2.5VA	7.5VA			5VA	10VA
300A			10VA	15VA			15VA	20VA
500A			30VA	30VA			30VA	30VA
600A			35VA	35VA			40VA	40VA
1200A			40VA	40VA			40VA	40VA
2000A			40VA	40VA			40VA	40VA

■ 외형치수 / Dimension





CZ-3545

최고회로 전압

Max. Voltage : 0.72~1.2kV

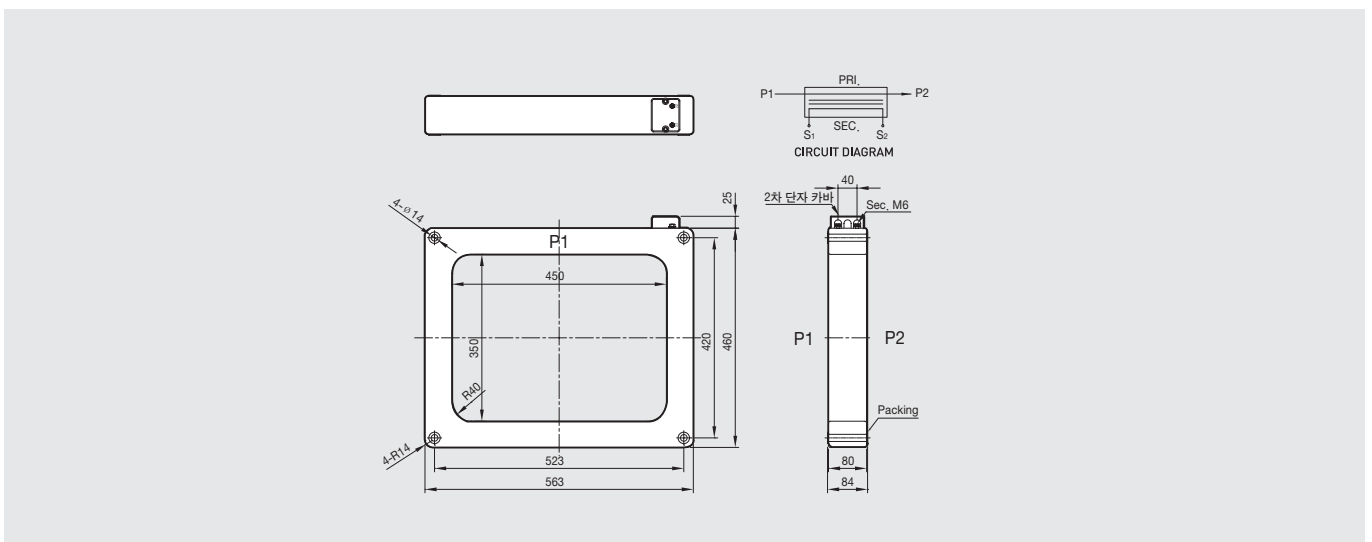
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

Type	CZ-3545			
1차전류 Pri.Cur.	2차전류 Sec.Cur.	Window Size (mm)	계급 Class 5P10	계급 Class10P10
50A	5A / 1A	300×500	—	1VA
100A			2VA	5VA
150A			2.5VA	7.5VA
300A			10VA	15VA
500A			30VA	30VA
600A			35VA	35VA
1200A			40VA	40VA
2000A			40VA	40VA

■ 외형치수 / Dimension





영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZ-3020X / 3020Y

최고회로 전압

Max. Voltage : 0.72~1.2kV

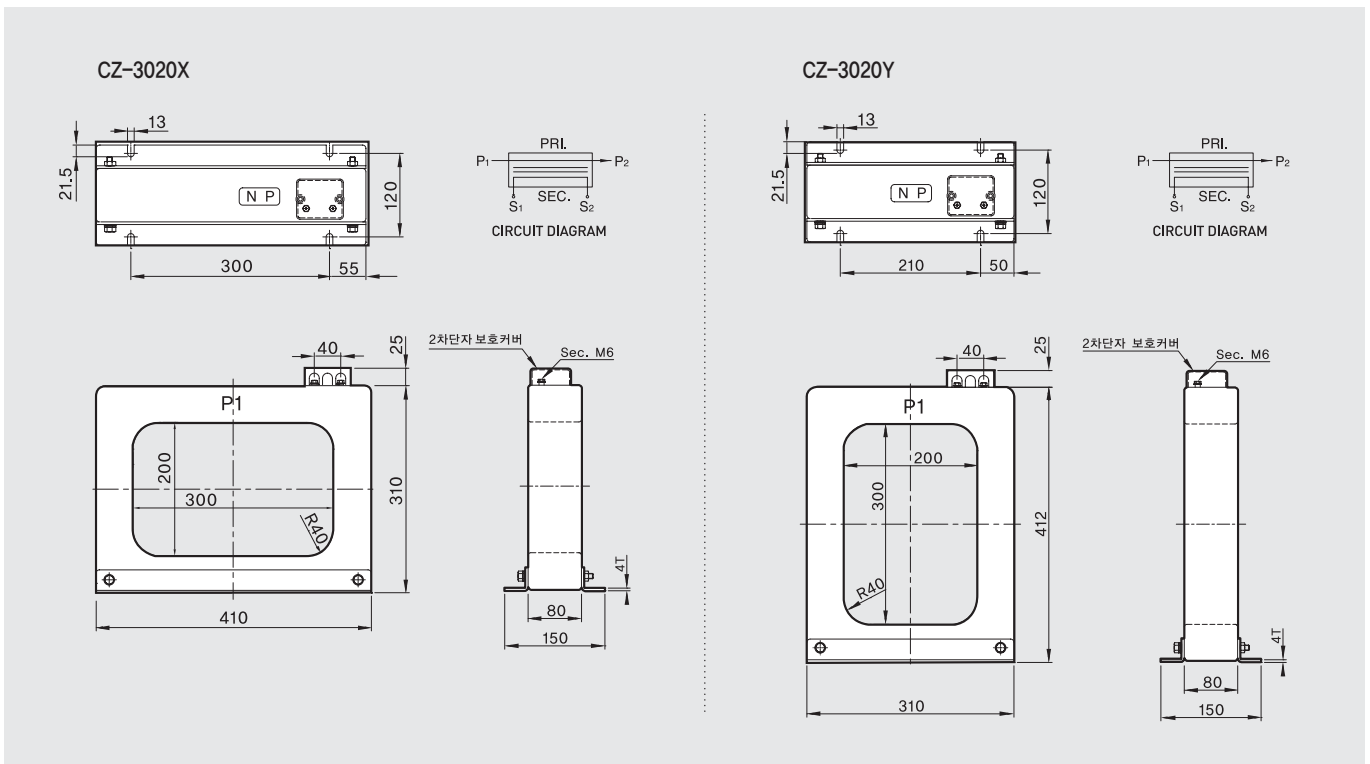
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	Window Size(mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×200	-	1VA
100A			2VA	5VA
300A			10VA	15VA
1200A			40VA	40VA
2000A			40VA	40VA

■ 외형치수 / Dimension





CZ-3035X/3035Y

최고회로 전압

Max. Voltage : 0.72~1.2kV

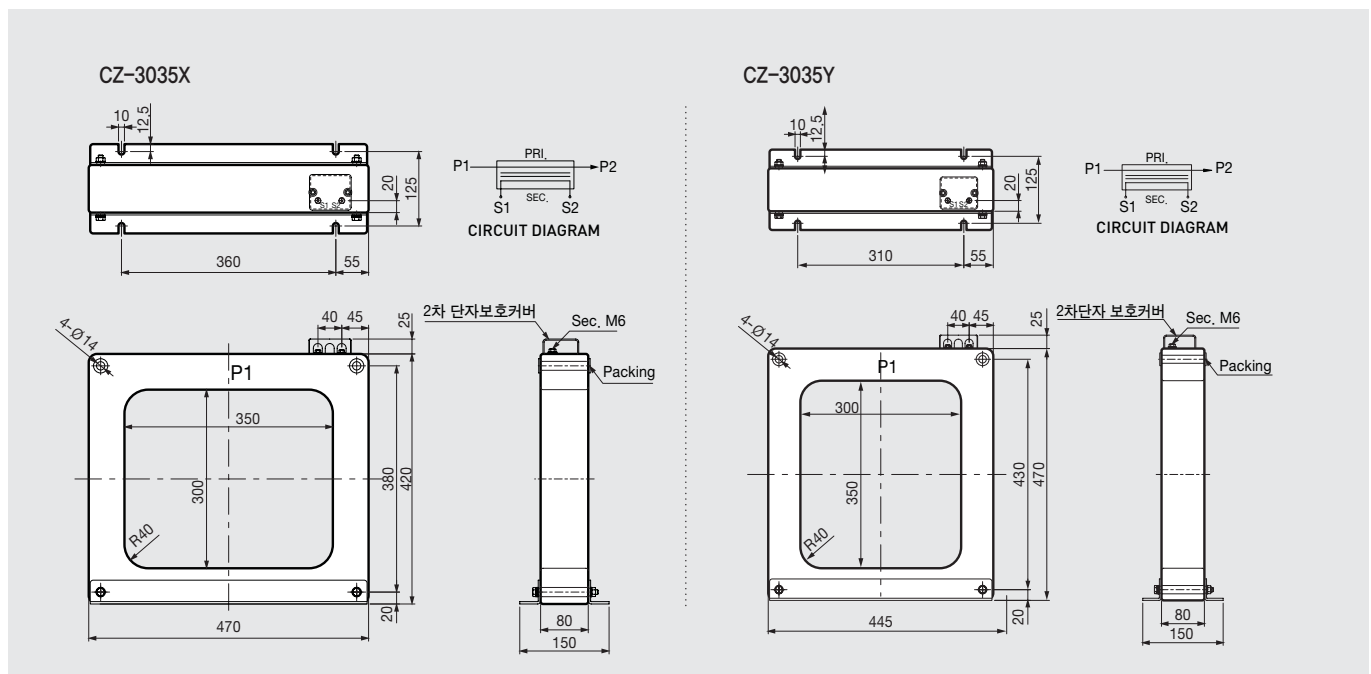
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×350	-	2.5VA
100A			2VA	5VA
150A			5VA	10VA
300A			15VA	20VA
500A			30VA	30VA
600A			40VA	40VA
1200A			40VA	40VA
2000A			40VA	40VA

■ 외형치수 / Dimension





영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZ-3050X/3050Y

최고회로 전압

Max. Voltage : 0.72~1.2kV

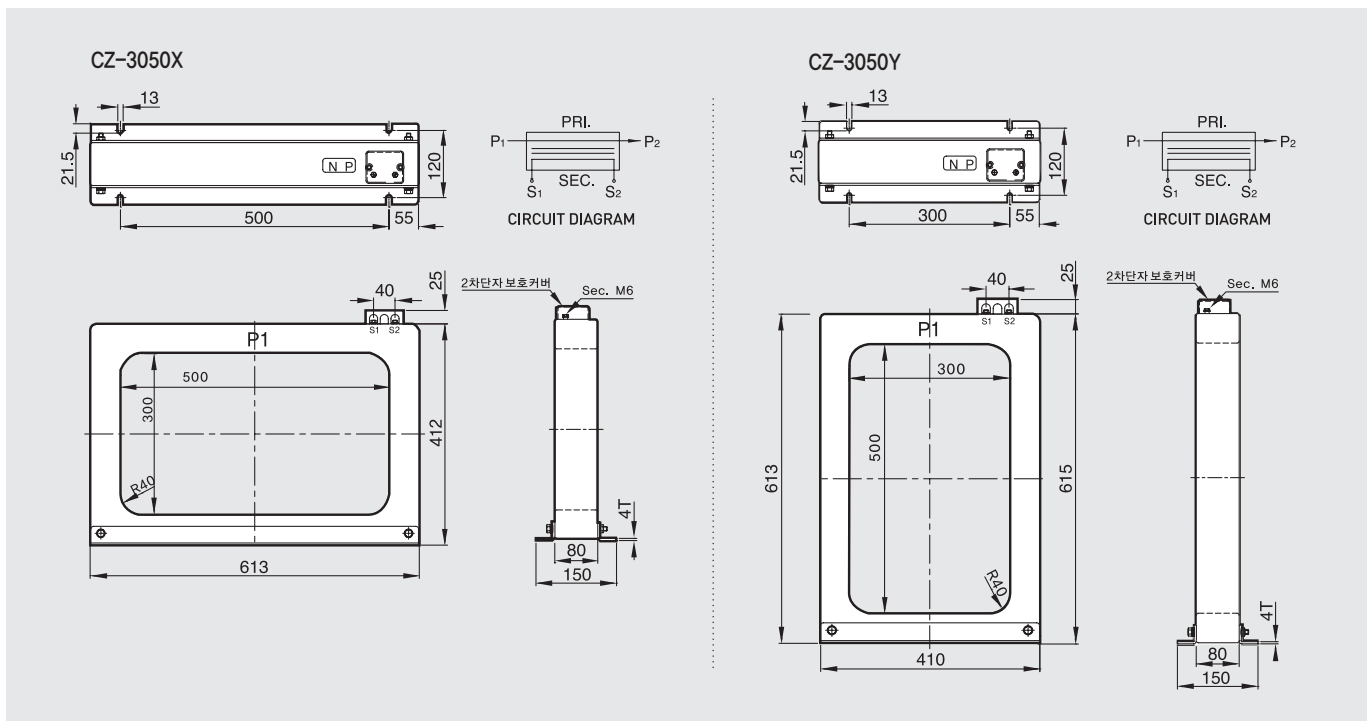
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×500	—	1VA
100A			2VA	5VA
150A			2.5VA	7.5VA
300A			10VA	15VA
500A			30VA	30VA
600A			40VA	40VA

■ 외형치수 / Dimension





CZ-4050X/4050Y

최고회로 전압

Max. Voltage : 0.72~1.2kV

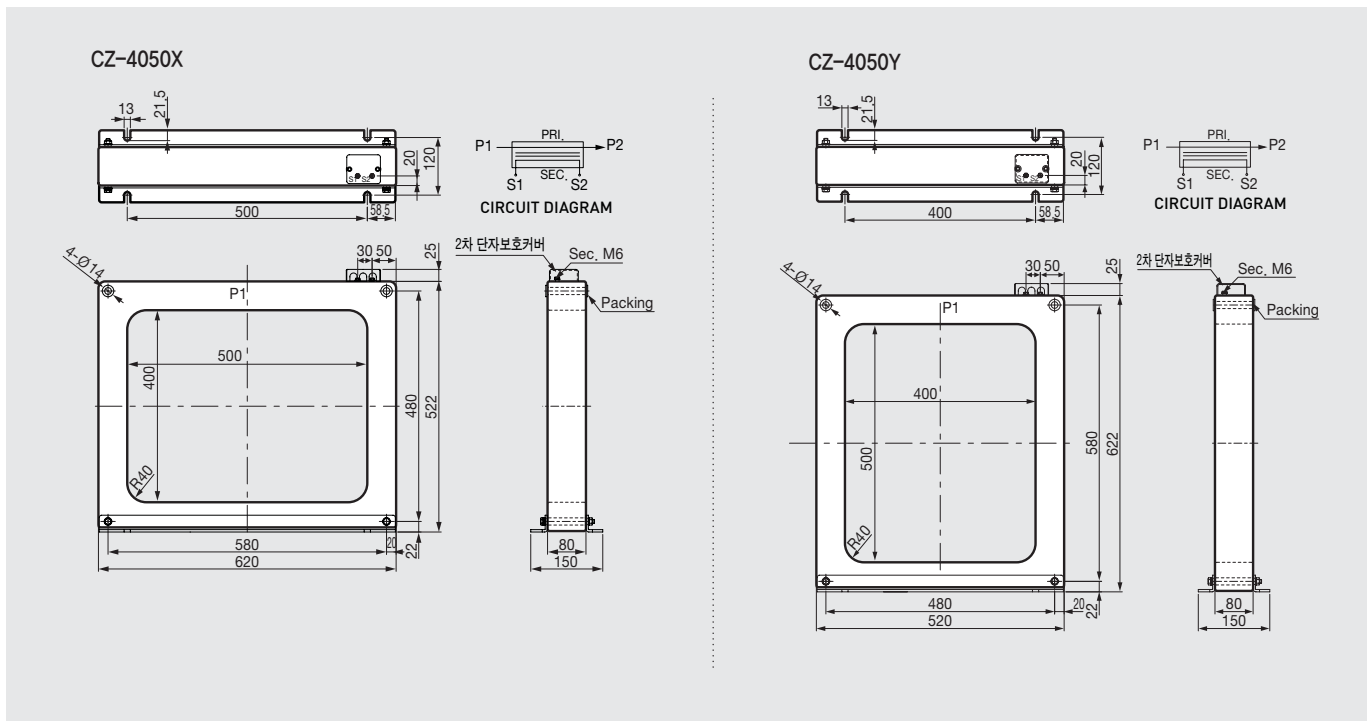
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	Window Size (mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	400 x 500	-	2.5VA
100A			2VA	5VA
150A			5VA	10VA
300A			15VA	20VA
500A			30VA	30VA
600A			40VA	40VA
1200A			40VA	40VA
2000A			40VA	40VA

■ 외형치수 / Dimension





영상 변류기(Z.C.T)

Zero Phase Current Transformer



CZ-30X / 30

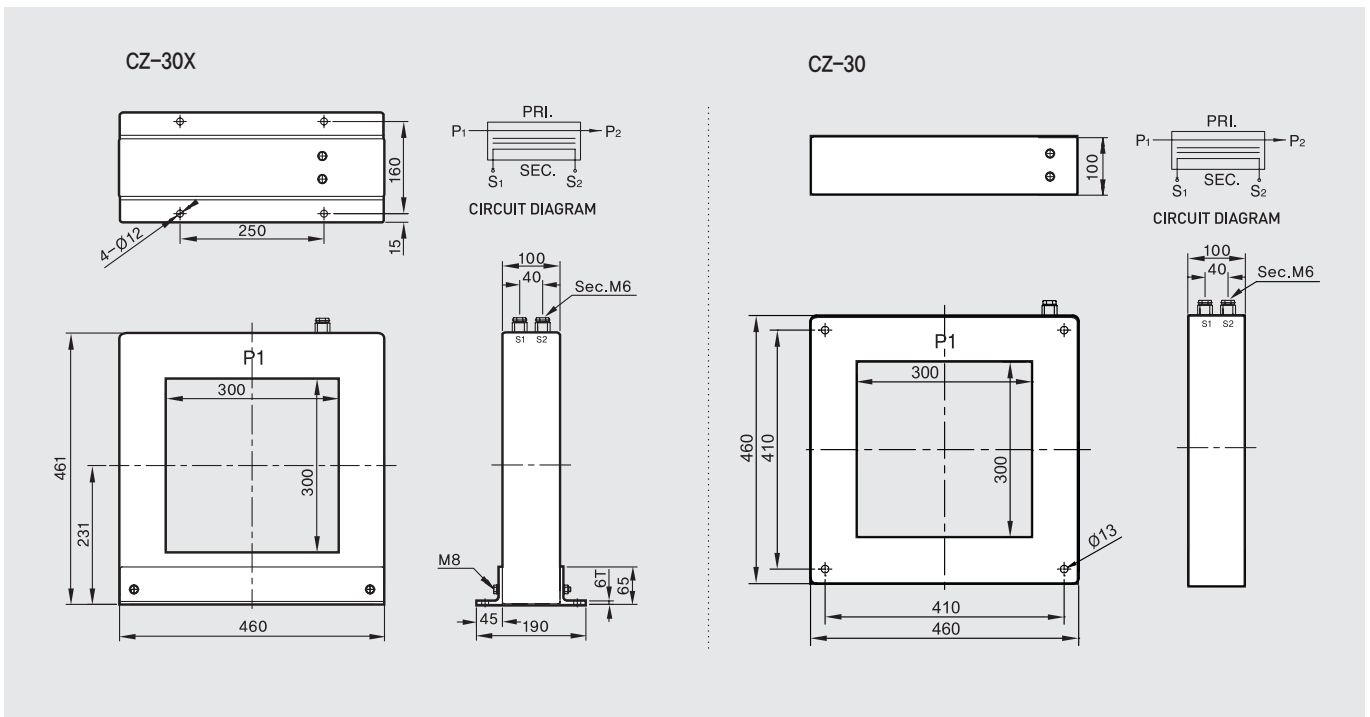
■ 특징 / Feature

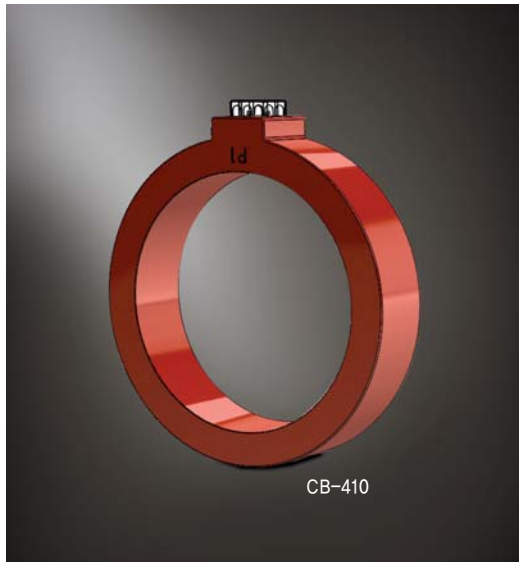
- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~100A, Secondary : 5/1A
- 오차계급 / Accuracy Class : 5P or 10P
- 정격부담 / Rated Burden : 5VA
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	Window Size(mm)	계급 Class 5P10	계급 Class 10P10
50A	5A / 1A	300×300	—	1VA
100A			5VA	10VA
150A			10VA	15VA
300A			30VA	35VA
500A			40VA	40VA
600A			40VA	40VA

■ 외형치수 / Dimension





CB-410

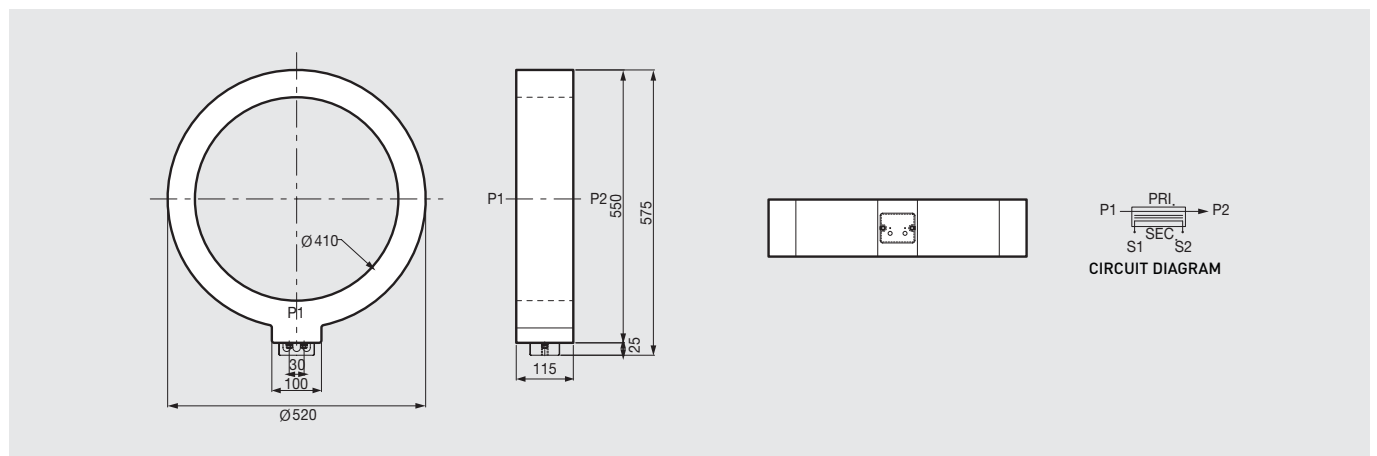
■ 특징 / Feature

- 규격 / Standard : IEC 61869-2
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 50~2000A, Secondary : 5A / 1A
- 옥내용 / For Indoor
- 계전기용 / Relaying Application
- 정격과전류 배수 / Rated Over Current Factor : $n > 5$ or 10
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

1차전류 Pri. Cur.	2차전류 Sec. Cur.	계급 Class 5P10	계급 Class 10P10	계급 Class 5P20
50A	5A / 1A	—	2.5	—
100A		5	5	2.5
150A		5	10	5
200A		10	10	5
300A		20	20	10
400A		25	25	10
500A		30	30	15
600A		40	40	20
800A		50	50	25
1000A		50	50	30
1200A		50	50	40
2000A		50	50	50
10000A		50	50	50
12000A		50	50	50
15000A		50	50	50

■ 외형치수 / Dimension





분할형 변류기

Split Type Current Transformer



SPCT-30 SPCT-40/80/110

■ 특징 / Feature

- 주문형 / By Ordering
- 계기용 / Measuring Application
- 전류 감지용 / Current Sensing Application
- 절연 방식에 따른 다양한 형태 / Various Types according to Insulation Method
 - 케이스형 / Case Type (외함 : ABS) / SPCT-30
 - 반경화 테잎형 / Self Bonding Type / SPCT-40, 80, 110
- 60Hz

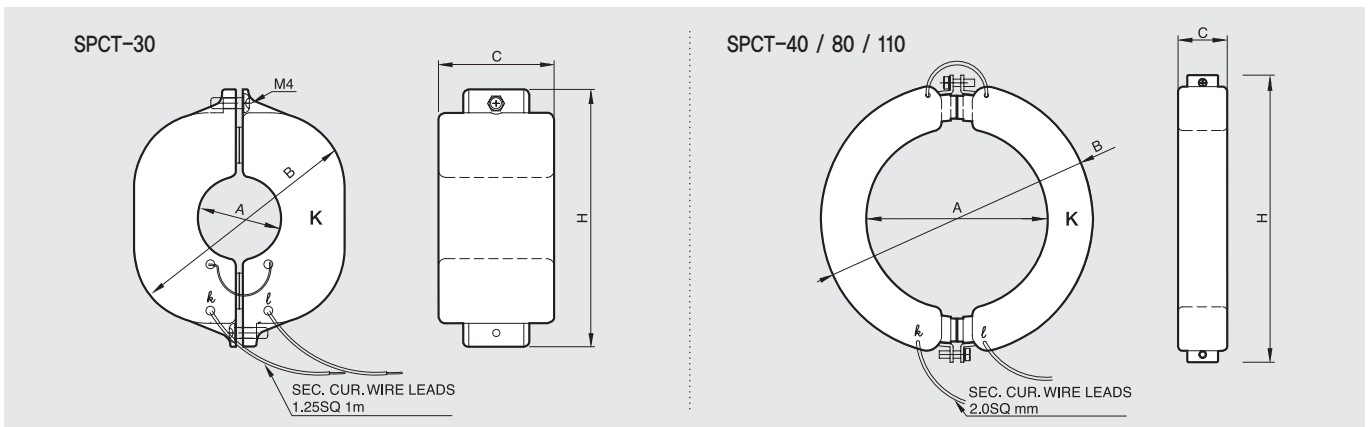
■ 사양 / Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	차수 / Dimension (mm)			
						A	B	C	H
SPCT-30	60A	5A	3.0	1VA	≒ 1.5	Ø30	Ø77	42	94
	75A		1.0	1VA					
			3.0	1VA					
	100A		1.0	1VA					
			3.0	2VA					
	200A		1.0	5VA					
			3.0	5VA					
SPCT-40	300A	5A	1.0	5VA	≒ 1.5	Ø40	Ø92	42	108
			3.0	5VA					
	100A		1.0	2VA					
			3.0	5VA					
	200A		1.0	5VA					
			3.0	15VA					
	300A		1.0	15VA					
SPCT-80		5A	3.0	15VA	≒ 2.0	Ø80	Ø130	30	145
	300A~500A		1.0	15VA					
	600A~1000A		1.0	15VA					
SPCT-110	500A~700A	5A	1.0	15VA	≒ 3.0	Ø110	Ø180	40	190
	800A~1000A		1.0	15VA					

※ 분할형 변류기는 주문자 요구에 따라 다양한 사양으로 제작이 가능합니다.

※ Other specification is available depend on customer's request

■ 외형치수 / Dimension





분할형 변류기(센서)

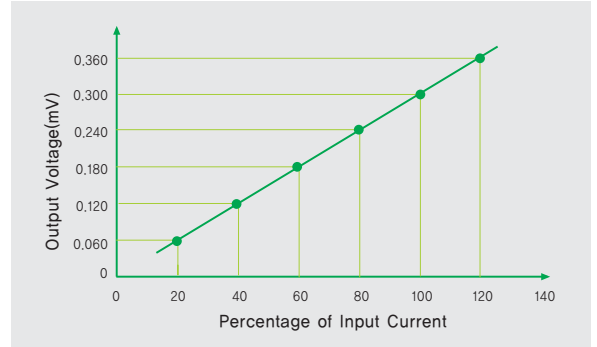
Split Type Current Transformer(Sensor)



SPCT-19

■ 특징 / Feature

- 주문형 / By Ordering
- 케이스형 / Case Type (외함: ABS)
- 전류 감지용 / Current Sensing Application



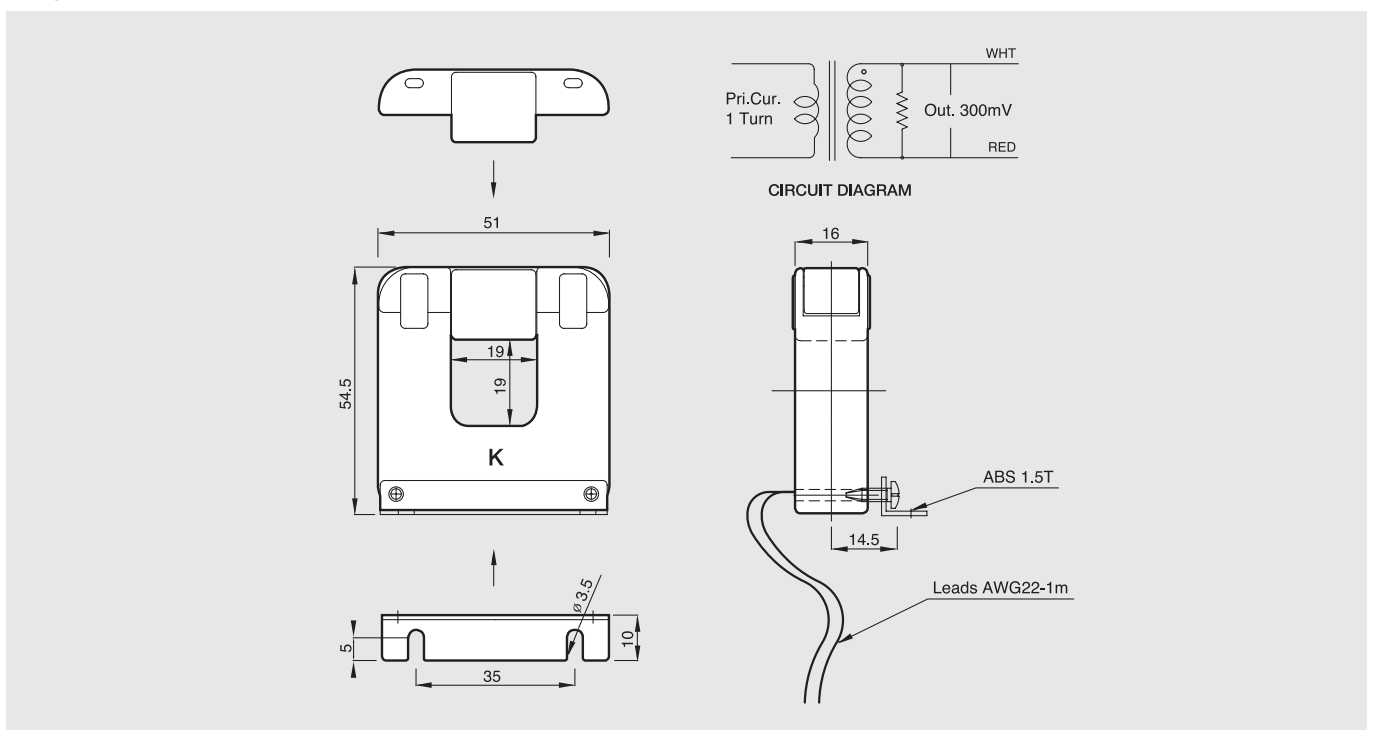
■ 사양 / Specification

Type	SPCT-19
최고회로전압 / Max. Voltage	1150V
정격 1차전류 / Rated Primary Current	5A~300A
정격 2차전압 / Rated Secondary Voltage	300mV
오차계급 / Accuracy Class	1.0
주파수 / Frequency	60Hz
중량 / Weight(g)	100g
정격오차 / Rated Accuracy at 10% to 130% of Rated Current	-

※ 분할형 변류기는 주문자 요구에 따라 다양한 사양으로 제작이 가능합니다.

※ Other specification is available depend on customer's request

■ 외형치수 / Dimension





분할형 변류기

Split Type Current Transformer



SPCT-36/100

■ 특징 / Feature

- 주문형 / By Ordering
- 계기용 / Measuring Application
- 전류 감지용 / Current Sensing Application
- 케이스형 / Case Type(Polycarbonate)

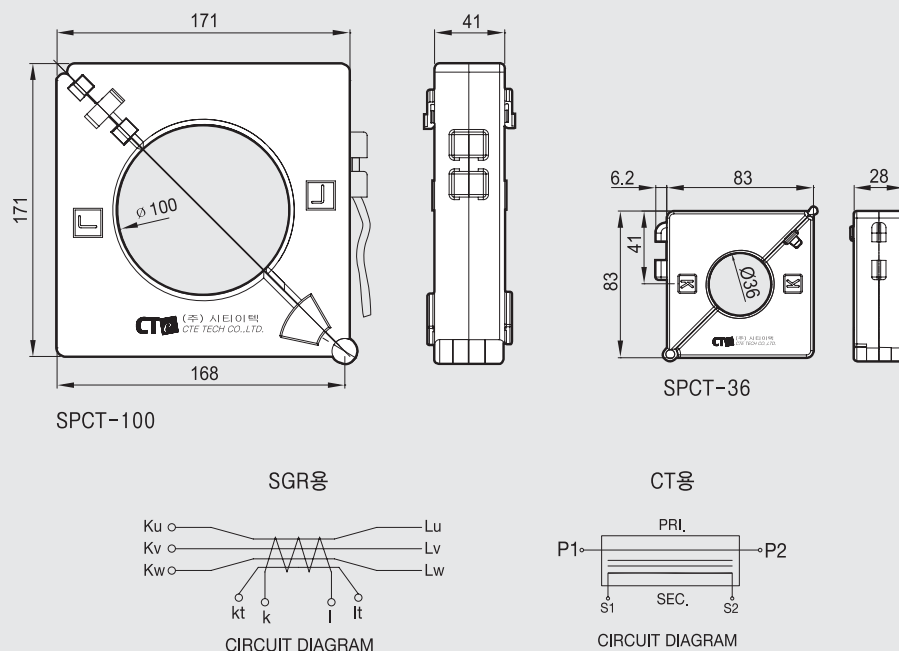
■ 사양 / Specification

Type	용도 Type	1차전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	과전류 정수 Over Cur. Fac.
SPCT-36S, SPCT-100S	SGR 용	200mA	1.5mA	L(1.0 ~ 2.0mA)	10Ω	n>100
SPCT-36E, SPCT-100E	ELD 용	200mA	100mV	75~125mV	1.2kΩ	-
SPCT-100C	CT	500~2000A	5A or 1A	0.5	2VA	-
				1	3VA	-

※ 분할형 변류기는 주문자 요구에 따라 다양한 사양으로 제작이 가능합니다.

※ Other specification is available depend on customers request

■ 외형치수 / Dimension



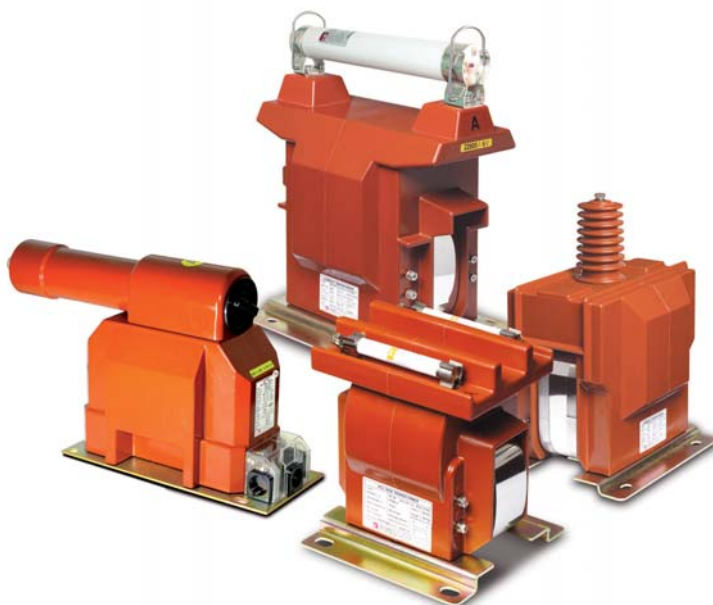
■ Memo

D

SPCT



Medium Voltage Voltage Transformer



KS C 1706.1707



Certification ISO 9001,14001



Conformite European



1-E Class Cert



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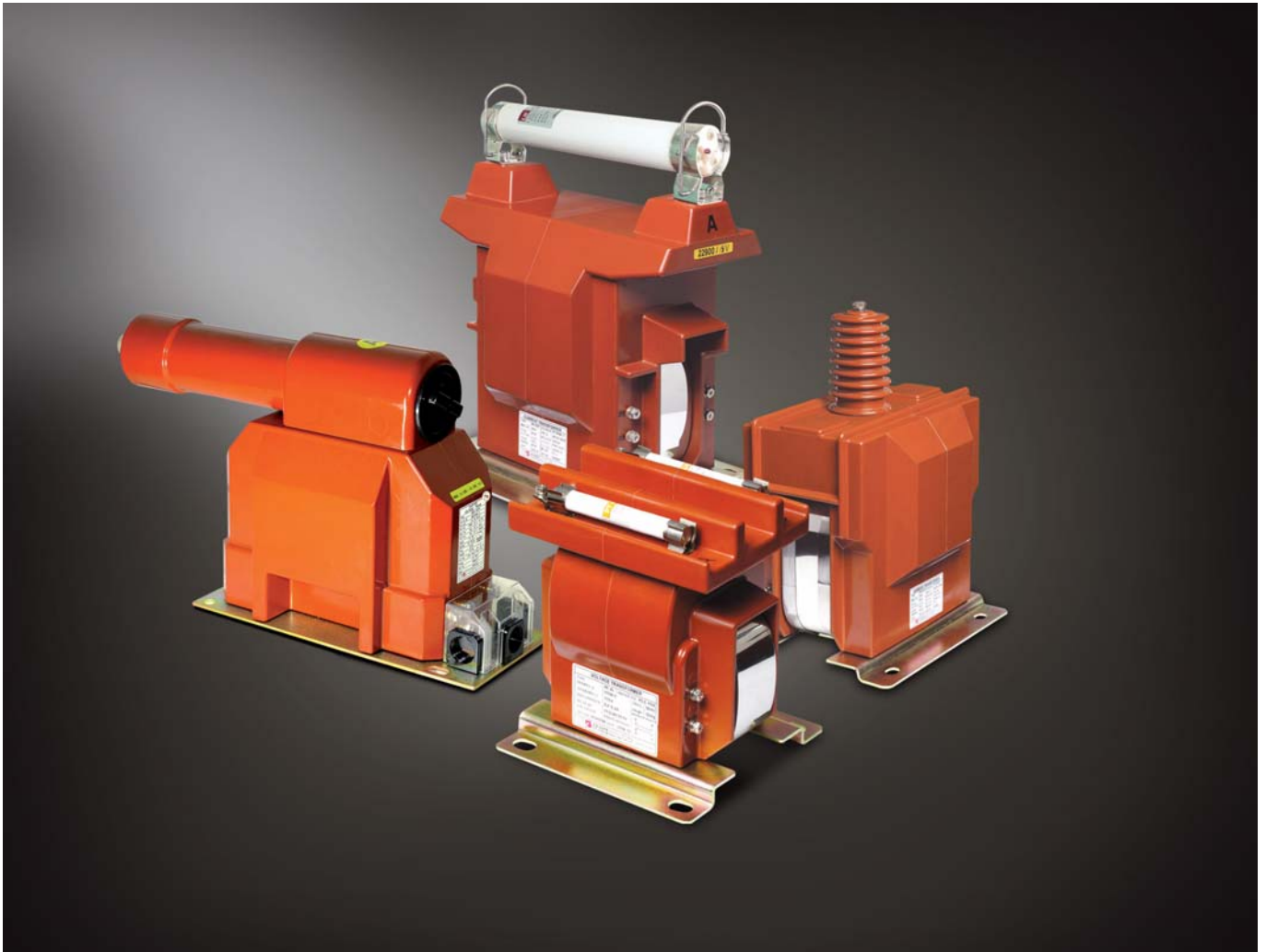
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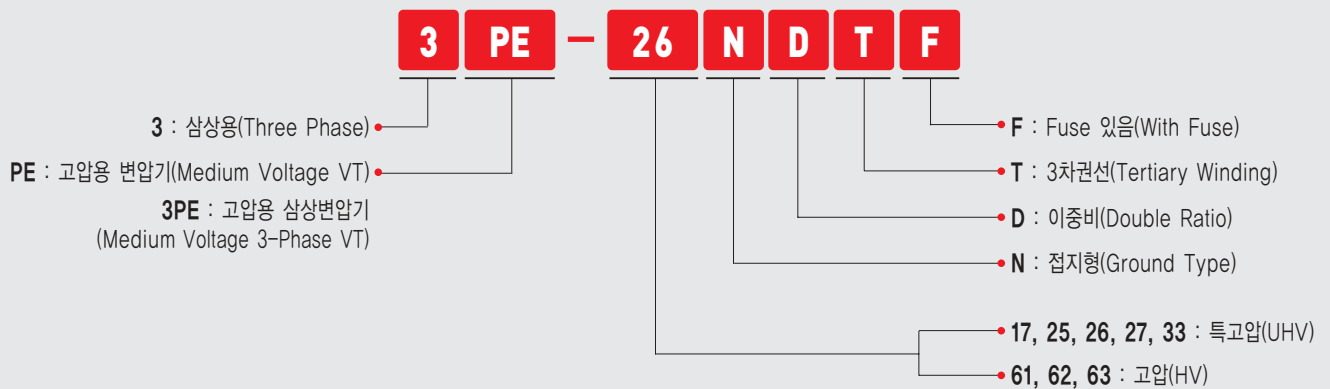


고압 계기용 변압기

MV Voltage Transformer



■ 제품분류 인식표 / Index



■ Memo

E

MV VT



■ Standard : IEC 61869-3

Max. Voltage	VT/GVT	Over Voltage Factor	Primary Voltage	Secondary Voltage	Tertiary Voltage	Class	Burden	Type	Note						
3.6~7.2kV	VT	1.2Vn Cont.	3300 or 6600	110 or 220		0.5	50	PE – 61F	With Fuse Type						
							100	62F							
							150	63F							
						1.0	200	63F							
							50	61F							
							100	61F							
							200	62F							
							300	63F							
							3.0	500		63F					
							3.0	1000		63F					
	GVT (2권선)	1.2Vn Cont., 1.9Vn/30s / 1.2Vn Cont., 1.9Vn/8hr (Option)	$3300/\sqrt{3}$ or $6600/\sqrt{3}$	$110/\sqrt{3}$ or $190/\sqrt{3}$		0.5	25	61NF	With Fuse Type						
							50	62NF							
							100	63NF							
						1.0	50	61NF							
							100	62NF							
							200	63NF							
						3.0	500	63NF							
						GVT (3권선)	1.2Vn Cont., 1.9Vn/30s	$3300/\sqrt{3}$ or $6600/\sqrt{3}$		$110/\sqrt{3}$	$110/\sqrt{3}$ or 190/3V	1.0/3P	50/100	61NTF	
													100/200	62NTF	
													200/300	63NTF	
	200/500	63NTF													
	1.2Vn Cont., 1.9Vn/8hr		50/100	62NTF											
	100/200	63NTF													
			200/200	63NTF											
12~17.5kV	VT	1.2Vn Cont.	11000	110			0.5		150				PE – 63F	With Fuse Type	
						1.0	300	63F							
						3.0	500	63F							
			11000~ 16500	110		0.2	15	17F	With Fuse Type						
						0.5	50	17F							
						1.0	100	17F							
							200	17F							
						3.0		1000		17F					
						GVT (2권선)	1.2Vn Cont., 1.9Vn/30s	$11000/\sqrt{3}$		$110/\sqrt{3}$ or $190/\sqrt{3}$		0.5	100	63NF	With Fuse Type
				1.0	200		63NF								
		3.0	500	63NF											
	1.2Vn Cont., 1.9Vn/30s		1.0	200	63NF		With Fuse Type								
	1.2Vn Cont., 1.9Vn/30s	$11000/\sqrt{3}$ or $16500/\sqrt{3}$	$110/\sqrt{3}$ or $190/\sqrt{3}$		0.5			50	17NF						
					1.0			100	17NF						
								200	17NF						
					1.2Vn Cont., 1.9Vn/8hr			3.0	300	17NF					
			1.0	100	17NF										
	GVT (3권선)	1.2Vn Cont., 1.9Vn/30s	$11000/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$ or 190/3V	1.0/3P	100/200	63NTF	With Fuse Type						
		1.2Vn Cont., 1.9Vn/8hr					100/200	63NTF							
		1.2Vn Cont., 1.9Vn/30s	$11000/\sqrt{3}$ or $16500/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$ or 190/3V	1.0/3P	100/200	17NTF	With Fuse Type						
		1.2Vn Cont., 1.9Vn/8hr					200/300	17NTF							
				100/200	17NTF										
				100/200	17NTF										



■ Standard : IEC 61869-3

Max. Voltage	VT/GVT	Over Voltage Factor	Primary Voltage	Secondary Voltage	Tertiary Voltage	Class	Burden	Type	Note
24kV	VT		22000 or 22900	110		0.2	15	PE ~ 26	Without Fuse Type
						0.5	50	26	
						1.0	100	26	
							200	26	
						3.0	300	26	
		1.2Vn Cont.	13200 or 22000	110		0.2	50	27F	With Fuse Type
						0.5	100	27F	
						1.0	200	27F	
							500	27F	
						3.0	1,000	27F	
						5.0	1,500	27F	
						3.0	1,000	33H	Without Fuse Type
						5.0	1,500	33L	
	GVT (2권선)	1.2Vn Cont., 1.9Vn / 30s	$22000/\sqrt{3}$ or $22900/\sqrt{3}$	$110/\sqrt{3}$ or $190/\sqrt{3}$		0.5	50	25N	Without Fuse Type
						1.0	100	25N	
							200	25N	
							100	26N	
							200	26N	
		1.2Vn Cont., 1.9Vn / 30s	$22000/\sqrt{3}$ or $22900/\sqrt{3}$	$110/\sqrt{3}$ or $190/\sqrt{3}$		0.5	50	26NF	With Fuse Type
						1.0	100	26NF	
							200	26NF	
							200	26NF	
	GVT (3권선)	1.2Vn Cont., 1.9Vn / 30s	$22000/\sqrt{3}$ or $22900/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$ or $190/3V$	1.0/3P	100/200	25NT	Without Fuse Type
		1.2Vn Cont., 1.9Vn / 8hr					200/300	25NDT	
							100/200	25NDT	
		1.2Vn Cont., 1.9Vn / 30s	$22000/\sqrt{3}$ or $22900/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$ or $190/3V$	1.0/3P	100/200	26NTF	With Fuse Type
		1.2Vn Cont., 1.9Vn / 30s					200/300	26NDTF	
		1.2Vn Cont., 1.9Vn / 8hr					100/200	26NT	Without Fuse Type
		1.2Vn Cont., 1.9Vn / 8hr					200/300	26NDT	
		1.2Vn Cont., 1.9Vn / 8hr					100/200	26NDTF	With Fuse Type
	GVT (2권선)	1.2Vn Cont., 1.9Vn / 30s	$22000/\sqrt{3}$ or $22900/\sqrt{3}$	$110/\sqrt{3}$ or $190/\sqrt{3}$		0.3	200	33HNF	With Fuse Type
							100	33LNF	
36kV	GVT (3권선)	1.2Vn Cont., 1.9Vn / 30s	$33000/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$	1.0/3P	200/500	33N	Without Fuse Type
						0.2	100	33NF	With Fuse Type



고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer_Metal Clad Type



MPE-24PHN(D)(T)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 17.5~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

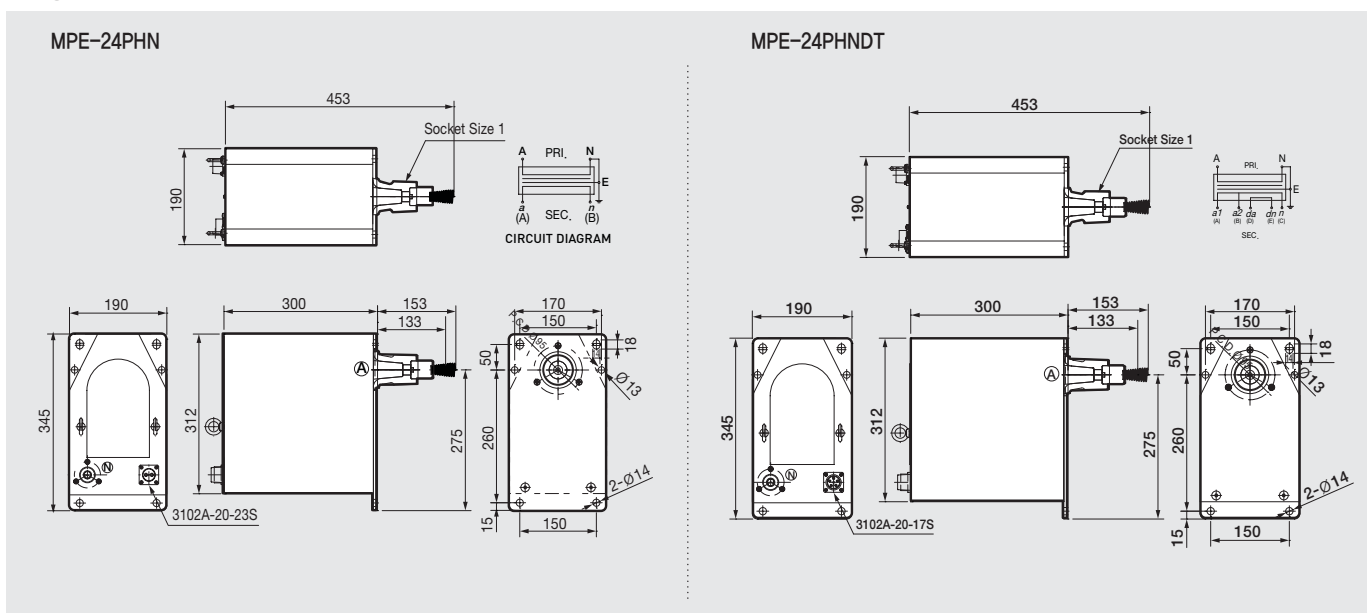
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$ V	22000/ $\sqrt{3}$ V	22900/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110V - 110/ $\sqrt{3}$ V		
3차 전압 / Tertiary Voltage	190/3V		
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV(150kV)
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 40kg		

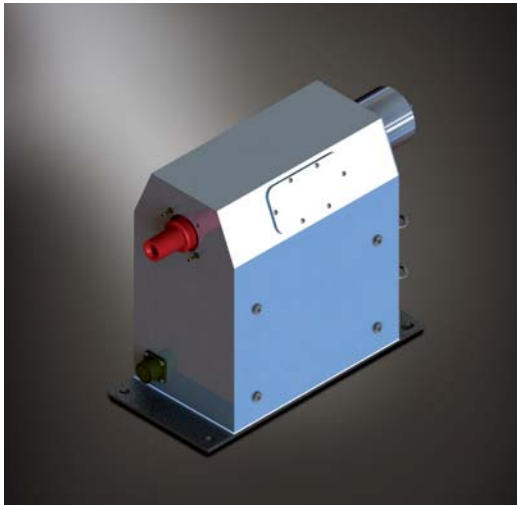
계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	MPE-24PHN	MPE-24PHND	MPE-24PHNDT
0.5	-	0.5	50	50	-
1.0	1P	1.0	200	200	-
3.0	3P	3.0	500	500	-
-	1P/3G	1.0/3P	-	-	200 / 500VA
-	-	1.0/3P	-	-	-

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/ $\sqrt{3}$ V, 13800/ $\sqrt{3}$ V, 22900/ $\sqrt{3}$ V (Option)	110-110/ $\sqrt{3}$ V, 110/ $\sqrt{3}$ V, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$ V, 190/3V

■ 외형치수 / Dimension





MPE-24CHA

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 17.5~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (MPE-24CHA)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

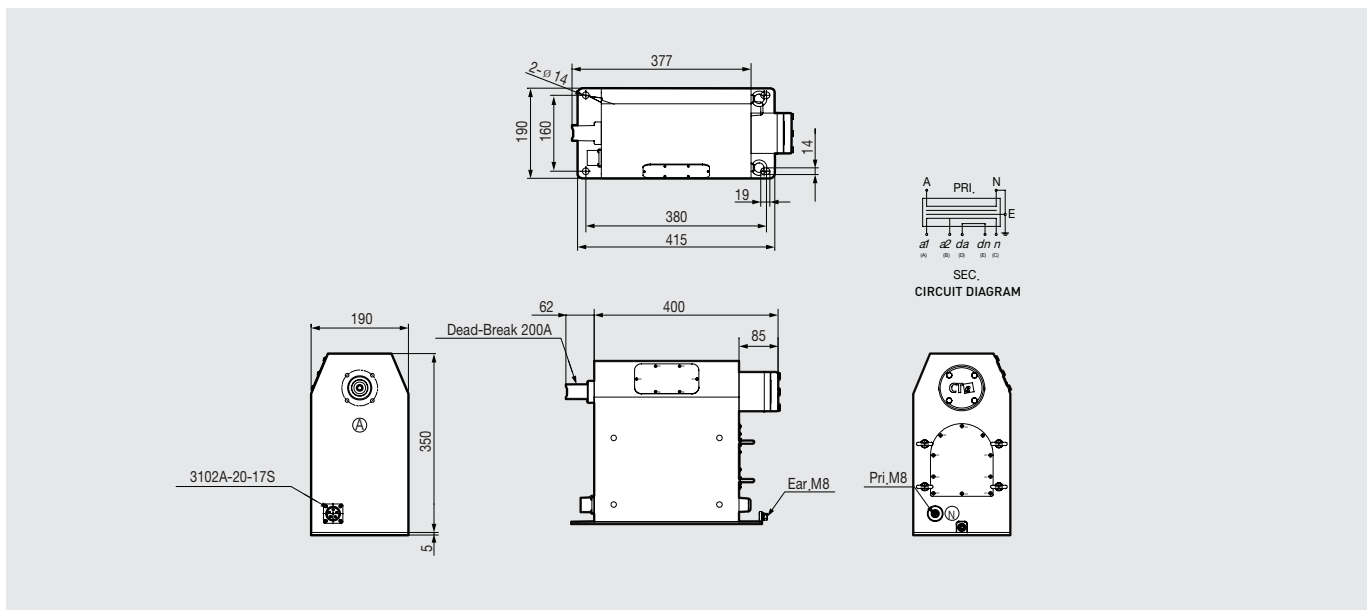
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/√3 V	22000/√3 V	22900/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		110-110/√3 V
3차 전압 / Tertiary Voltage	-		110/√3 V or 190/√3 V
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV(150kV)
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 43kg		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	MPE-24CHA	MPE-24CHA(D)(T)
0.5	-	0.5	50	-
1.0	1P	1.0	200	-
3.0	3P	3.0	500	-
-	1P/3G	1.0/3P	-	100 / 200VA
-	-	1.0/3P	-	200 / 300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/√3 V, 13800/√3 V, 22900/√3 V (Option)	110-110/√3 V, 110/√3 V, 190/√3 V	110/√3 V, 190/3V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer_Metal Clad Type



MPE-26CHF

지중용 개폐기/For Under Ground Switchgear

최고회로 전압

Max. Voltage : 17.5~25.8kV

■ 특징 / Feature

- 지중용 / For Under Ground
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (MPE-26CHF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

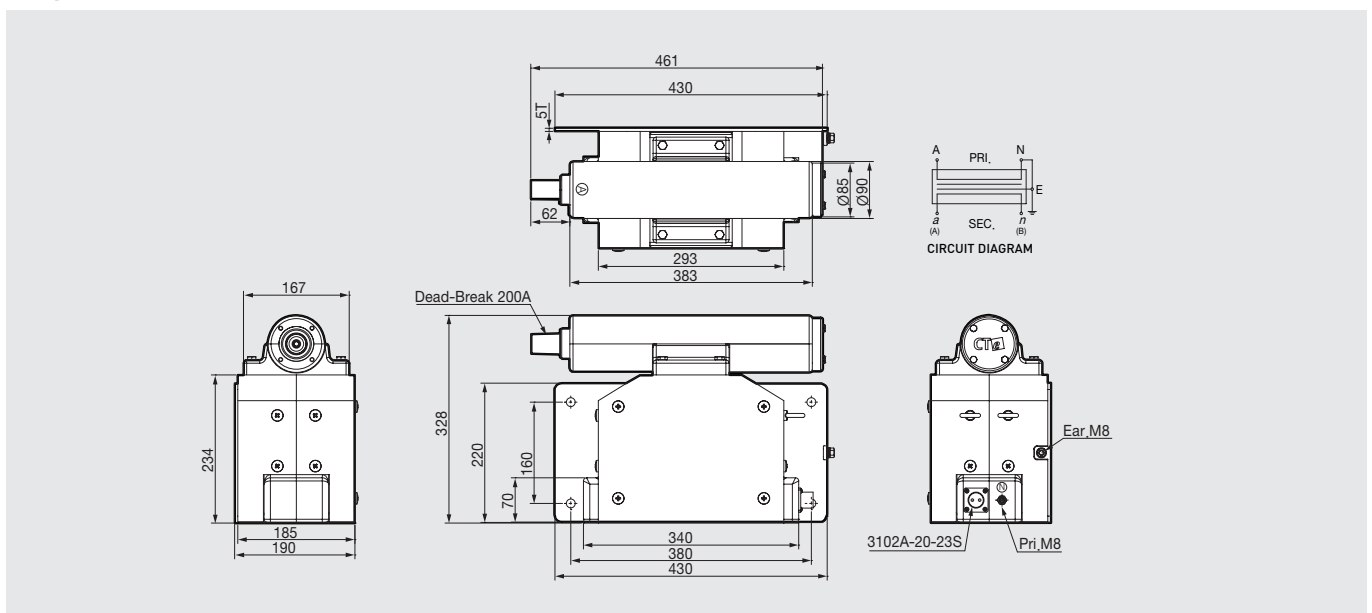
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8 kV	23kV	24kV
1차 전압 / Primary Voltage	22900/√3 V	22000/√3 V	22900/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V or 380/√3 V		V110-110/√3 V
3차 전압 / Tertiary Voltage	-	100/√3 V or 190/√3	
절연 계급 / Insulation Level	25.8 / 50 / 125kV	23 / 50 / 125kV	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 39kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	MPE-26CHF	MPE-26CHDF	MPE-26CHDTF
0.5	-	0.5	50VA	50VA	-
1.0	1P	1.0	200VA	200VA	-
3.0	3P	3.0	200VA	200VA	-
-	1P/3G	1.0/3P	-	-	100/200VA
-	-	1.0/3P	-	-	200/300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/√3 V, 13800/√3 V, 22900/√3 V (Option)	110-110/√3 V, 110/√3 V, 190/√3 V, 380/√3 V	110/√3 V, 190/3V

■ 외형치수 / Dimension





MPE-36PHN(D)(T)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 36kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

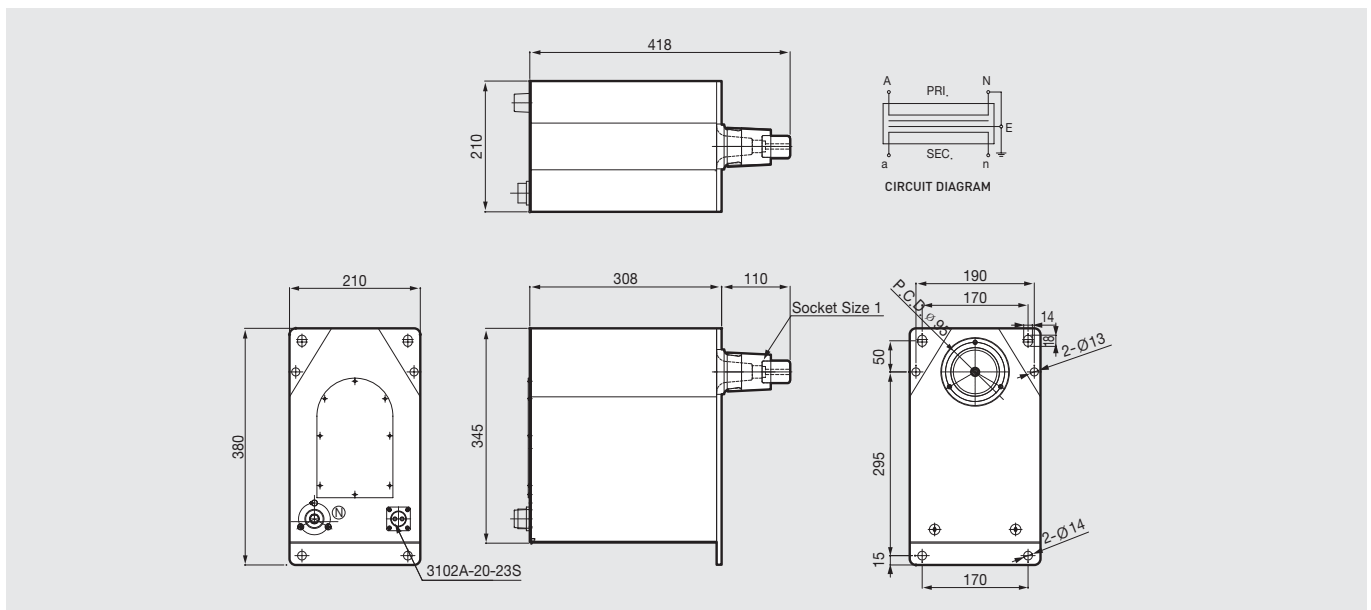
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	34.5kV	34.5kV	36kV
1차 전압 / Primary Voltage	33000/ $\sqrt{3}$ V	33000/ $\sqrt{3}$ V	33000/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110V - 110/ $\sqrt{3}$ V		
3차 전압 / Tertiary Voltage	110/ $\sqrt{3}$ V		
절연 계급 / Insulation Level	34.5 / 70 / 170kV(200kV)	34.5 / 70 / 170kV(200kV)	36 / 70 / 145kV(170kV)
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 48kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	MPE-36PHN	MPE-36PHND	MPE-36PHNT
0.5	-	0.5	50	50	-
1.0	1P	1.0	200	200	-
3.0	3P	3.0	500	500	-
-	1P/3G	1.0/3P	-	-	200/200VA, 200/500VA
-	-	1.0/3P	-	-	200/200VA, 200/500VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/ $\sqrt{3}$ V, 13800/ $\sqrt{3}$ V, 22900/ $\sqrt{3}$ V(Optional)	110-110/ $\sqrt{3}$ V, 110/ $\sqrt{3}$ V, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$ V, 190/3V

■ 외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer_Gas Filled Type



GPE-29(A)

GIS용 / For GIS

최고회로 전압

Max.Voltage:36kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.5Vn/30sec
- 가스 절연형 / Gas Insulated Type (SF₆)
- 60Hz

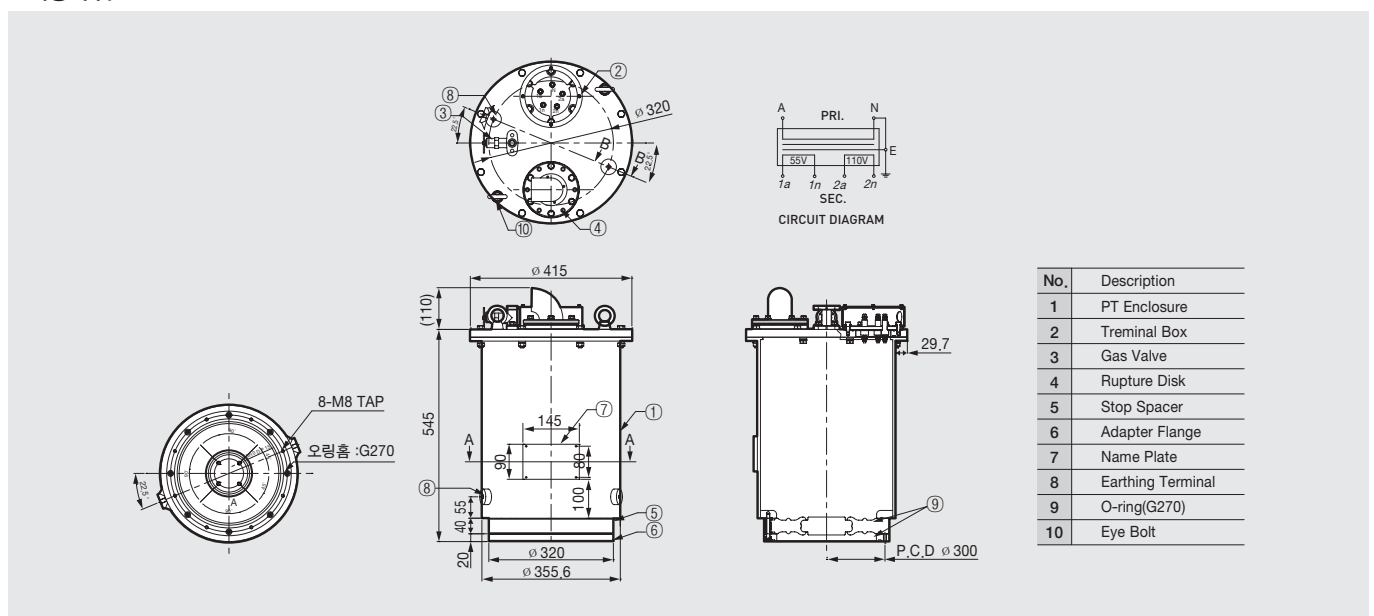
■ 사양 / Specification

규격 / Standard	IEC 61869-3
최고회로전압 / Max. Voltage	36kV
1차 전압 / Primary Voltage	27500V
2차 전압 / Secondary Voltage	55V
3차 전압 / Tertiary Voltage	110V
절연계급 / Insulation Level	36 / 95 / 200kV
계급 / Accuracy Class	1.0/3P
부담 / Burden	100 / 100VA
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.5Vn/30sec
주파수 / Frequency	60Hz
중량 / Weight(kg)	≒ 111kg

■ 정격 가스 압력 / Rate Gas Pressure

GPE-29	GPE-29A
2.5kgf/cm ²	2.0kgf/cm ²

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer_DIN TYPE



GPE-12N(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~12kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-12N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

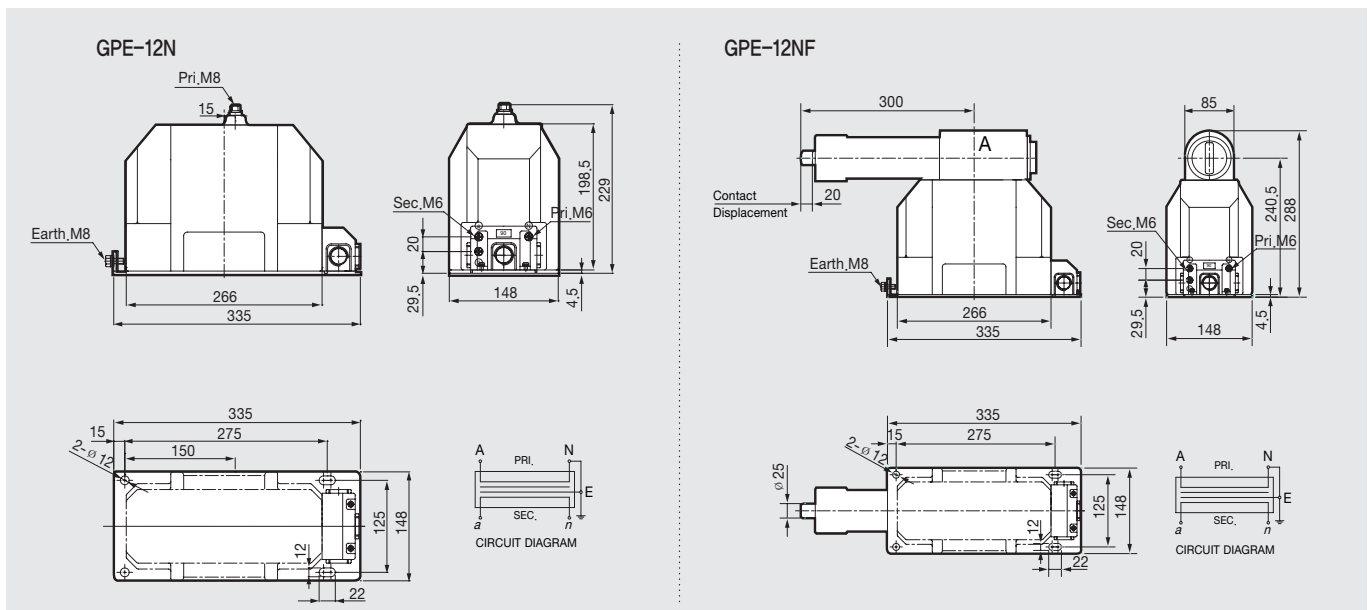
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV, 11.5kV	6.9kV, 11.5kV	7.2kV, 12kV
1차 전압 / Primary Voltage	6600/√3, 11000/√3	6600/√3, 11000/√3	6600/√3, 11000/√3
2차 전압 / Secondary Voltage	110/√3V or 190/√3V		
3차 전압 / Tertiary Voltage	100/√3V or 190/3V		
절연 계급 / Insulation Level	7.2/22/60kV, 11.5/28/95kV	6.9/22/60kV, 11.5/28/90kV	7.2/20/60kV, 12/28/75kV
과전압 배수 / Over Voltage Factor	—	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 25kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	GPE-12N	GPE-12NF	GPE-12NTF
0.5	—	0.5	50VA	50VA	—
1.0	1P	1.0	100VA or 200VA	100VA or 200VA	—
3.0	3P	3.0	200VA	200VA	—
—	1P/3G	1.0/3P	—	—	100/200VA
—	—	1.0/3P	—	—	200/300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3V (Option)	110/√3, 120/√3, 190/√3, 220/√3V	110/√3, 190/3V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer_DIN TYPE



GPE-24N(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 17.5~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-24N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

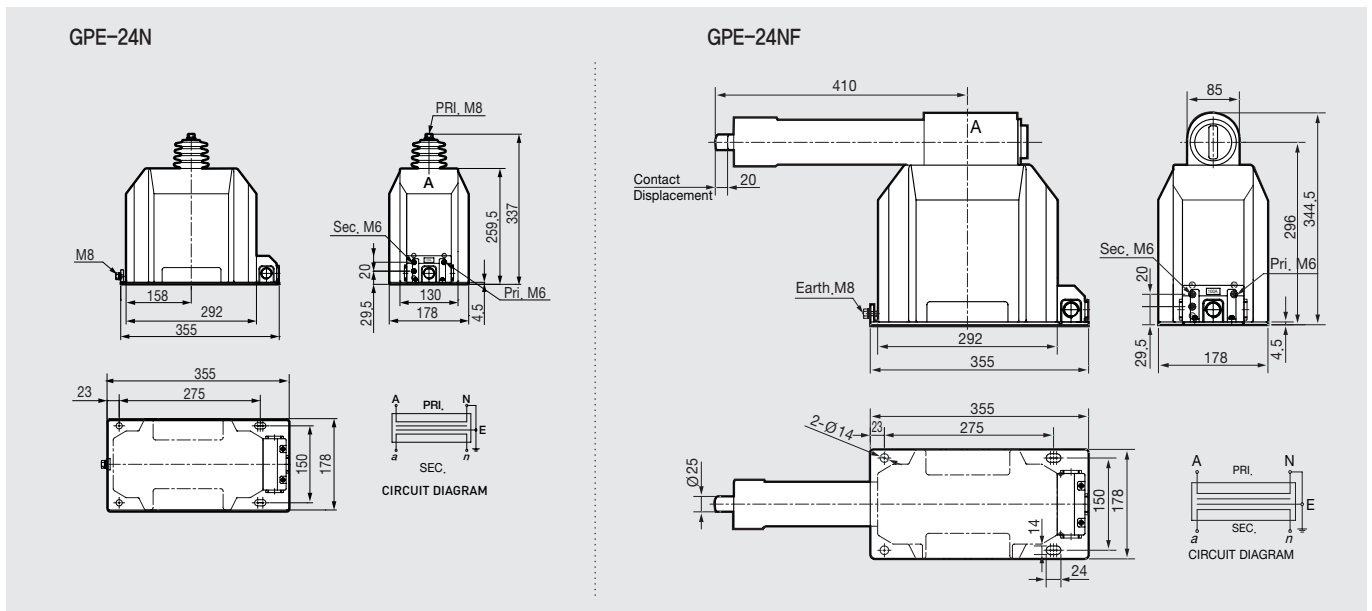
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$	22000/ $\sqrt{3}$	22900/ $\sqrt{3}$
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		110-110/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	-	100/ $\sqrt{3}$ V or 190/3V	
절연 계급 / Insulation Level	25.8/50/150kV	23/50/150kV	24/50/125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 38kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	GPE-24N	GPE-24N	GPE-24NTF
0.5	-	0.5	50VA	50VA	-
1.0	1P	1.0	100VA or 200VA	100VA or 200VA	-
3.0	3P	3.0	200VA	200VA	-
-	1P/3G	1.0/3P	-	-	100/200VA
-	-	1.0/3P	-	-	200/300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/ $\sqrt{3}$, 13800/ $\sqrt{3}$ V, 22900/ $\sqrt{3}$ V (Option)	110-110/ $\sqrt{3}$, 110/ $\sqrt{3}$, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$, 190/3V

■ 외형치수 / Dimension





GPE-25NF(T)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-24N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

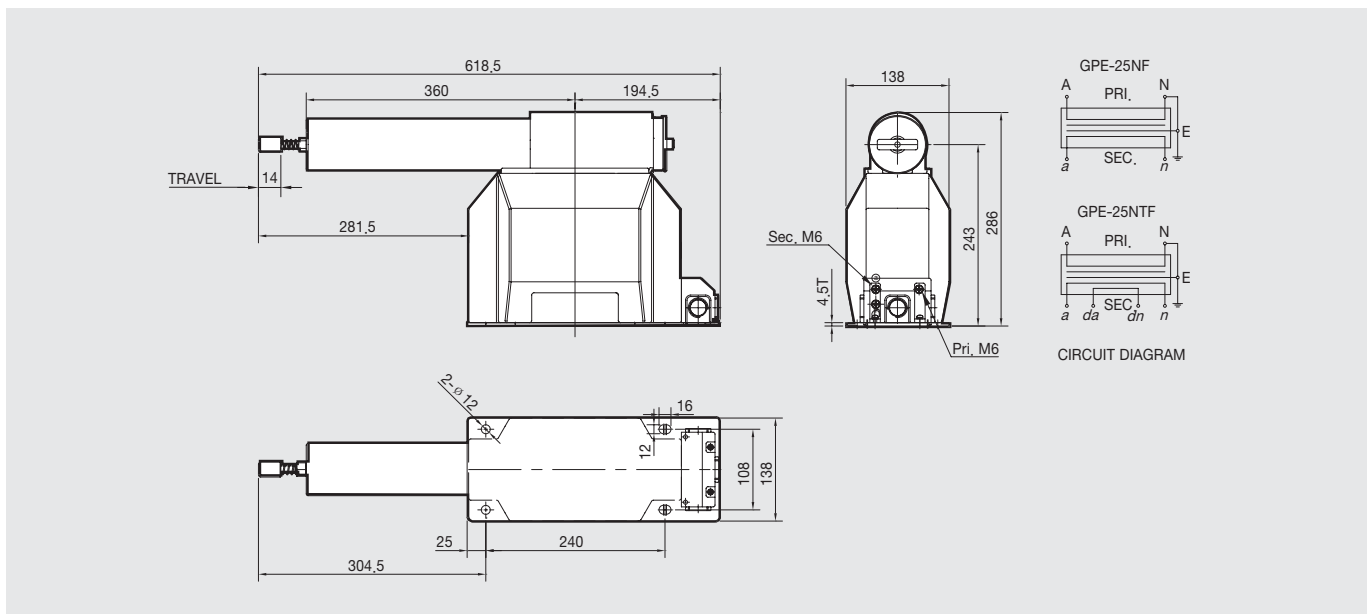
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/√3	22000/√3	22900/√3
2차 전압 / Secondary Voltage	110/√3V or 190/√3V		110-110/√3V
3차 전압 / Tertiary Voltage	-	100/√3V or 190/3V	
절연 계급 / Insulation Level	25.8/50/150kV	23/50/150kV	24/50/125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 30kg		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	GPE-25NF	GPE-25NTF
0.5	-	0.5	50VA	-
1.0	1P	1.0	100VA or 200VA	-
3.0	3P	3.0	200VA	-
-	1P/3G	1.0/3P	-	100/200VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
6600/√3V, 1100/√3V, 13800/√3V, 22900/√3V (Option)	110-110/√3, 110/√3, 190/√3V	110/√3, 190/3V

■ 외형치수 / Dimension





GPE-36N(T)(F)

배전반용/For Switchgear

최고회로 전압

Max.Voltage:36kV

■ 특징/ Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-36N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양/ Specification

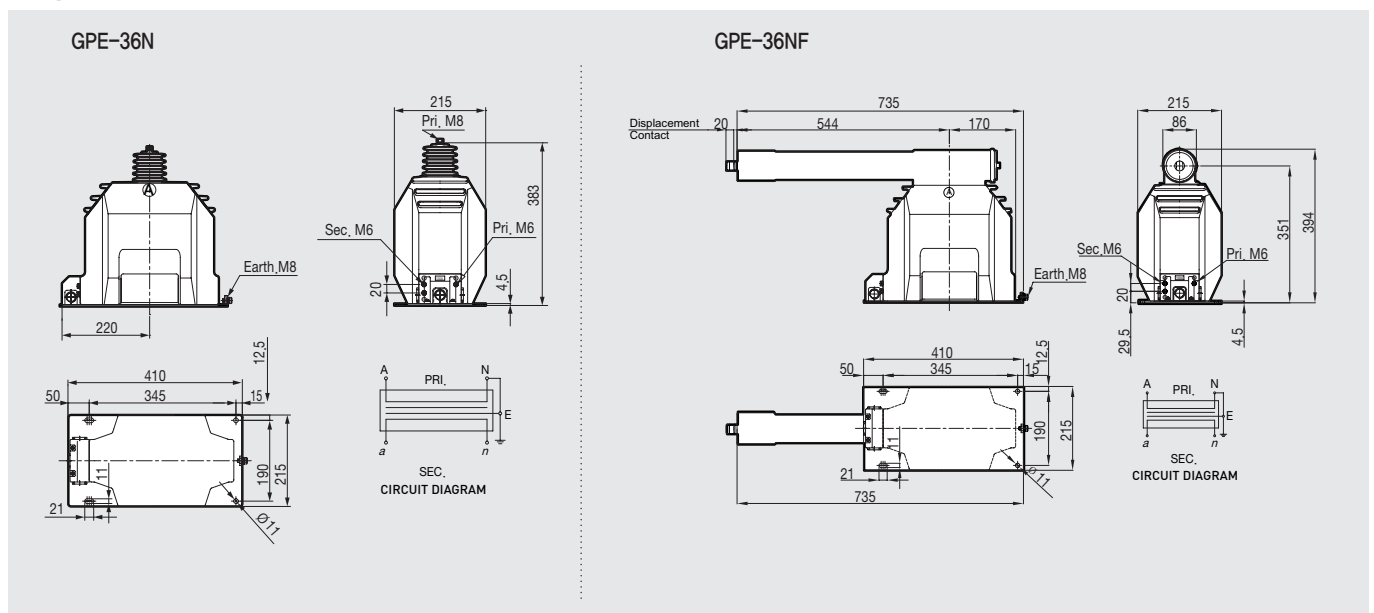
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3	
최고 회로 전압 / Max. Voltage	34.5kV	34.5kV	36kV	
1차 전압 / Primary Voltage	33000/√3	33000/√3	19000/√3	33000/√3
2차 전압 / Secondary Voltage	110/√3V or 190/√3V or 380/√3V		110-110/√3V	110-110/√3V
3차 전압 / Tertiary Voltage	-	100/√3V or 190/3V	190/3V	100/√3V or 190/3V
절연 계급 / Insulation Level	34.5 / 70 / 200kV (170kV)	34.5 / 70 / 200kV (170kV)	36 / 70 / 170kV (145kV)	
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec	
주파수 / Frequency	60 or 50Hz			
중량 / Weight(kg)	≒ 47kg			

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	GPE-36N	GPE-36NF	GPE-36NTF
0.5	–	0.5	100VA	100VA	–
1.0	1P	1.0	100VA or 200VA	100VA or 200VA	–
3.0	3P	3.0	200VA	200VA	–
–	1P/3G	1.0/3P	–	–	100/200VA
–	–	1.0/3P	–	–	200/300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/√3, 13800/√3V, 22900/√3V (Option)	110~110/√3, 110/√3, 190/√3V, 380/√3V	110/√3, 190/3V

■ 외형치수/ Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-61(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

■ 사양 / Specification

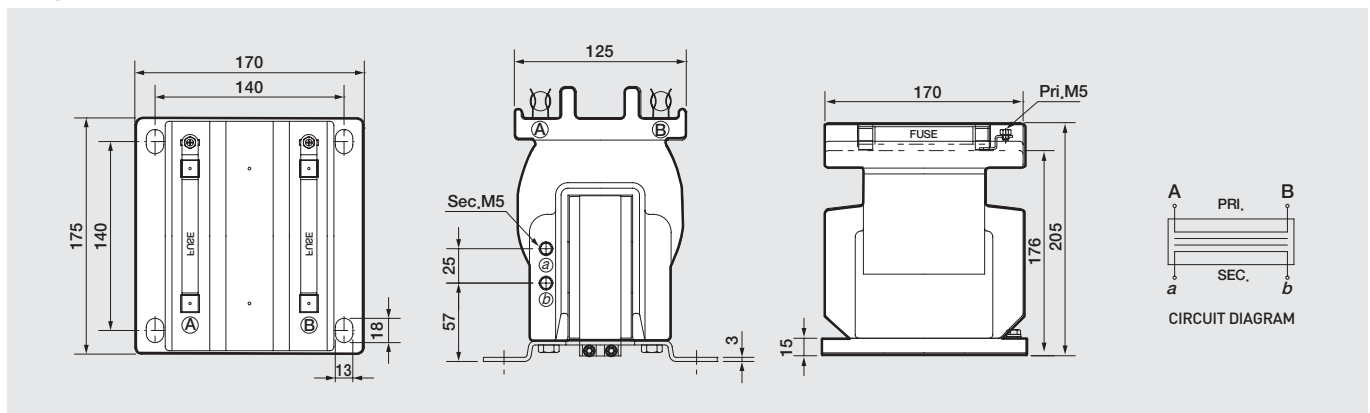
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600V	6600V	6600V
2차 전압 / Secondary Voltage	110V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 10		

계급 / Accuracy Class			부담 / Burden
KS C 1706	JEC 1201	IEC 61869-3	PE-61(F)
0.5	-	0.5	50 VA
1.0	1P	1.0	50 or 100 VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300, 4160, 5700, 6600, 6900, 7200 V	63.5, 110, 120, 190, 220 V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-61N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

특징/Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor :
1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

사양/Specification

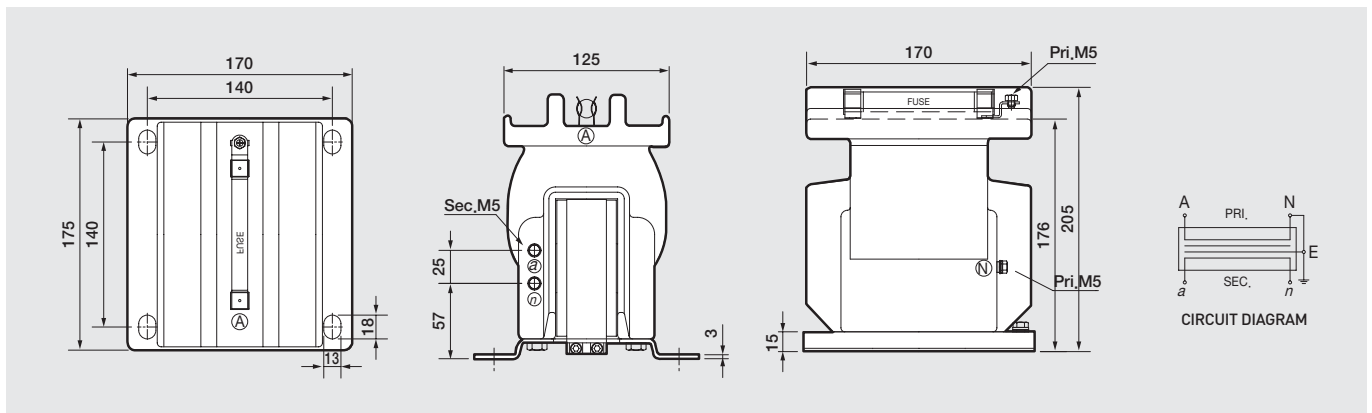
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/ $\sqrt{3}$ V	6600/ $\sqrt{3}$ V	6600/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 10		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-61N(F)	
0.5	-	0.5	25VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
1.0	1P	1.0	50VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)

주문형 전압비/Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300/ $\sqrt{3}$, 4160/ $\sqrt{3}$, 5700/ $\sqrt{3}$, 6600/ $\sqrt{3}$, 6900/ $\sqrt{3}$, 7200/ $\sqrt{3}$ V	63.5/ $\sqrt{3}$, 110/ $\sqrt{3}$, 120/ $\sqrt{3}$, 190/ $\sqrt{3}$, 220/ $\sqrt{3}$ V

외형치수/Dimension





PE-61NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

사양 / Specification

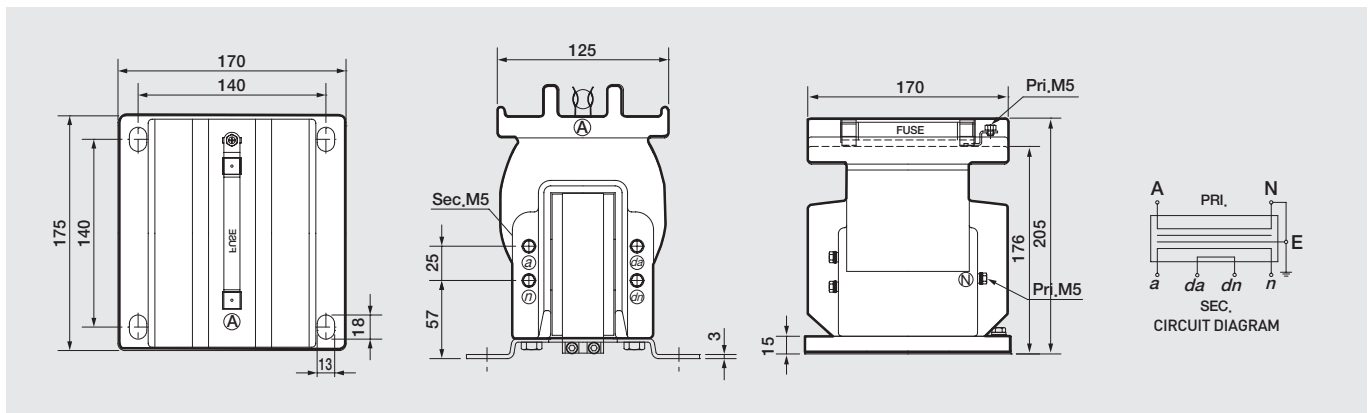
규격 / Standard	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/√3 V	6600/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V	
3차 전압 / Tertiary Voltage	110/√3 V or 190/3 V	110/√3 V or 190/3 V
절연 계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 10	

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-61NT(F)	
-	1P / 3G	1.0 / 3P	50 / 100VA	1.2Vn Cont., 1.9Vn/30sec

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3 V	110/√3, 120/√3, 190/√3, 220/√3 V	110/√3, 190/3 V

외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-62(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

■ 사양 / Specification

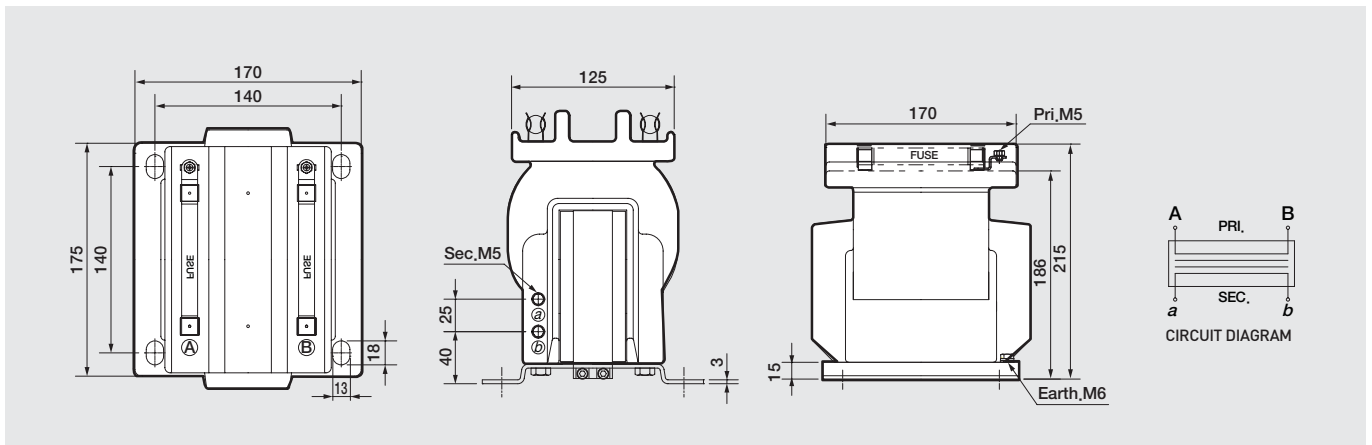
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600V	6600V	6600V
2차 전압 / Secondary Voltage	110V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 13		

계급 / Accuracy Class			부담 / Burden
KS C 1706	JEC 1201	IEC 61869-3	PE-62(F)
0.5	-	0.5	100VA
1.0	1P	1.0	200VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300, 4160, 5700, 6600, 6900, 7200 V	63.5, 110, 120, 190, 220 V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-62N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

사양 / Specification

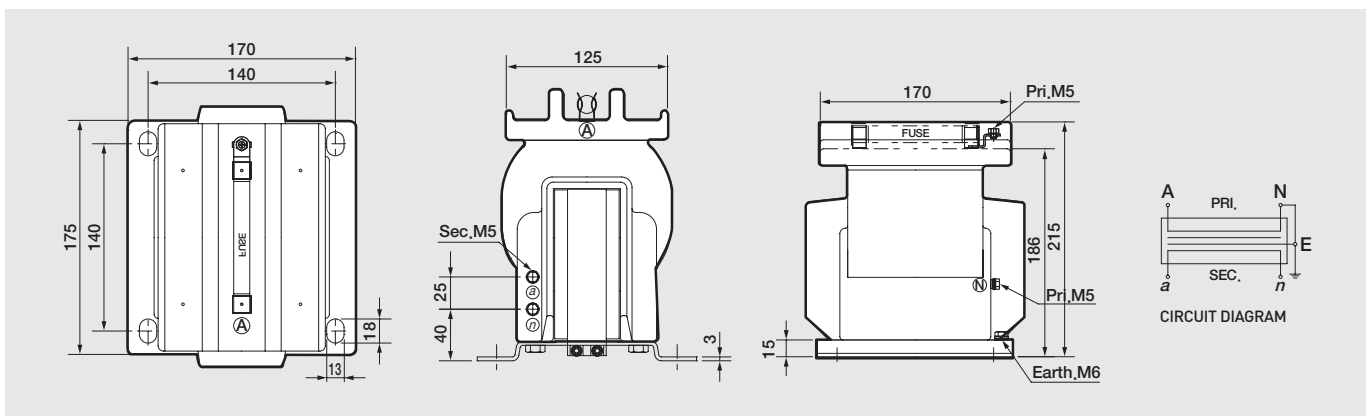
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/√3 V	6600/√3 V	6600/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 13		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-62N(F)	
0.5	-	0.5	50VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
1.0	1P	1.0	100VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3 V	63.5/√3, 110/√3, 120/√3, 190/√3, 220/√3 V

외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-62NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

■ 사양 / Specification

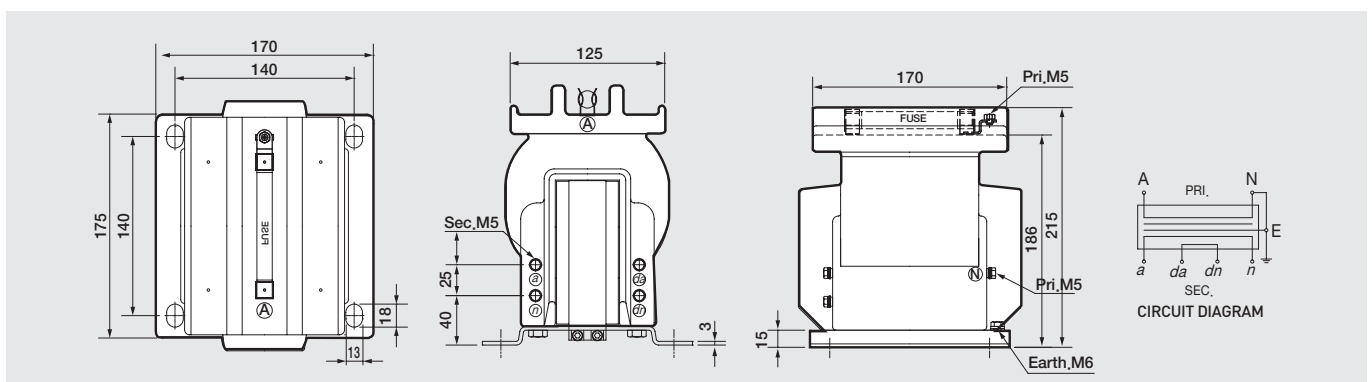
규격 / Standard	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600 / $\sqrt{3}$ V	6600 / $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110 / $\sqrt{3}$ V or 190 / $\sqrt{3}$ V	
3차 전압 / Tertiary Voltage	110 / $\sqrt{3}$ V or 190 / 3 V	110 / $\sqrt{3}$ V or 190 / 3 V
절연 계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 13	

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-62NT(F)	
-	1P / 3G	1.0 / 3P	100 / 200VA	1.2Vn Cont., 1.9Vn/30sec
-	-	1.0 / 3P	50 / 100VA	1.2Vn Cont., 1.9Vn/8hr

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300 / $\sqrt{3}$, 4160 / $\sqrt{3}$, 5700 / $\sqrt{3}$, 6600 / $\sqrt{3}$, 6900 / $\sqrt{3}$, 7200 / $\sqrt{3}$ V	110 / $\sqrt{3}$, 120 / $\sqrt{3}$, 190 / $\sqrt{3}$, 220 / $\sqrt{3}$ V	110 / $\sqrt{3}$, 190 / 3 V

■ 외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-63(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

■ 사양 / Specification

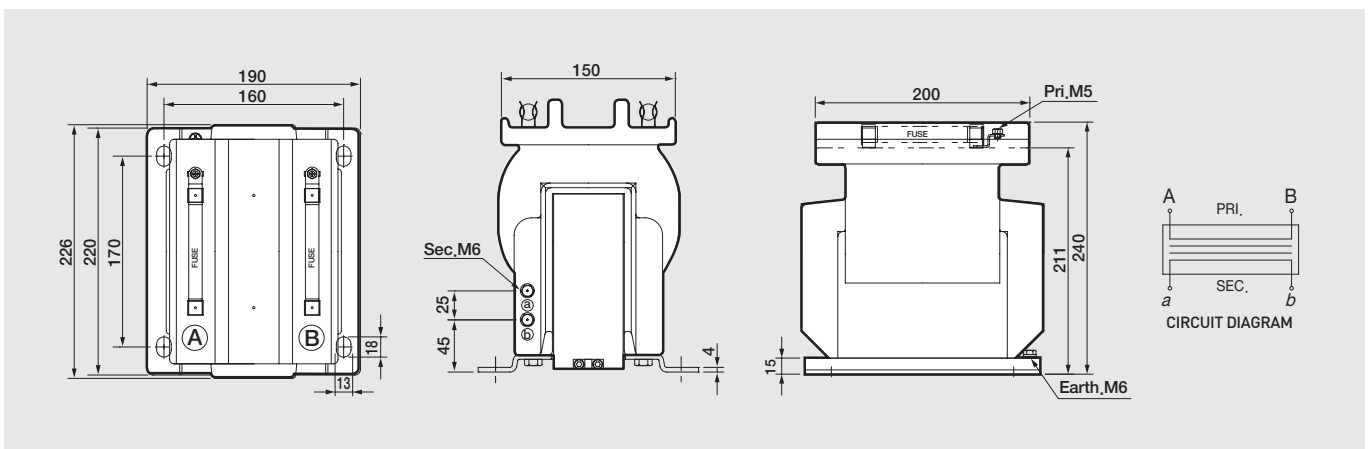
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600V	6600V	6600V
2차 전압 / Secondary Voltage	110V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 20		

계급 / Accuracy Class			부담 / Burden
KS C 1706	JEC 1201	IEC 61869-3	PE-63(F)
0.5	-	0.5	150VA
1.0	1P	1.0	300VA
3.0	3.0	3.0	500 or 1000VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300, 4160, 5700, 6600, 6900, 7200 V, 11000 V(Option)	63.5, 110, 120, 190, 220 V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-63N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

사양 / Specification

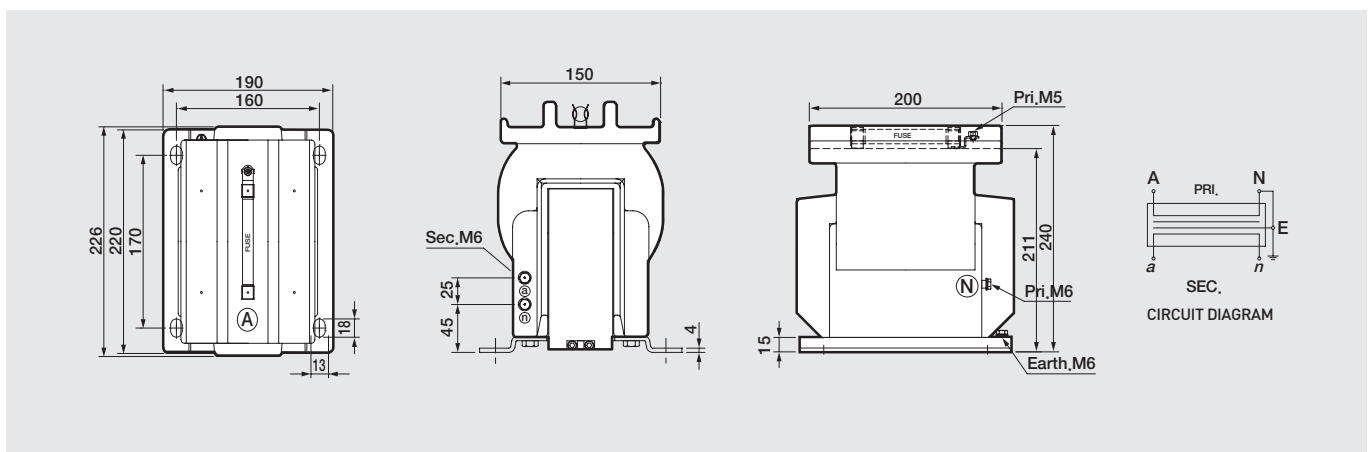
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/ $\sqrt{3}$ V	6600/ $\sqrt{3}$ V	6600/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 20		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-63N(F)	
0.5	-	0.5	100VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
1.0	1P	1.0	200VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
3.0	3P	3.0	500VA	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
3300/ $\sqrt{3}$, 4160/ $\sqrt{3}$, 5700/ $\sqrt{3}$, 6900/ $\sqrt{3}$, 7200/ $\sqrt{3}$ V, 11000/ $\sqrt{3}$ V(Option)	63.5/ $\sqrt{3}$, 110/ $\sqrt{3}$, 120/ $\sqrt{3}$, 190/ $\sqrt{3}$, 220/ $\sqrt{3}$ V

외형치수 / Dimension





PE-63NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

사양 / Specification

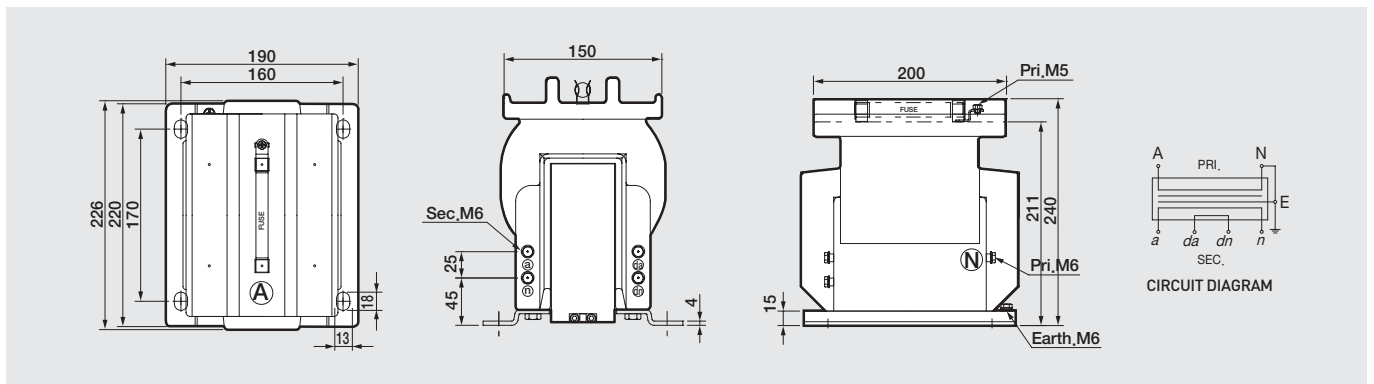
규격 / Standard	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/√3 V	6600/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V	
3차 전압 / Tertiary Voltage	110/√3 V or 190/3 V	110/√3 V or 190/3 V
절연 계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 20	

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-63NT(F)	
-	1P / 3G	1.0 / 3P	200 / 300VA	1.2Vn Cont., 1.9Vn/30sec
-	-	1.0 / 3P	200 / 500VA	1.2Vn Cont., 1.9Vn/30sec
-	-	1.0 / 3P	100 / 200VA	1.2Vn Cont., 1.9Vn/8hr

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
3300/√3, 4160/√3, 5700/√3, 6900/√3, 7200/√3 V, 11000/√3 V (Option)	110/√3, 120/√3, 190/√3, 220/√3 V	110/√3, 190/3 V

외형치수 / Dimension





고압 계기용 변압기(삼상용)

MV Three Phase Voltage Transformer



3PE-61V(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상용 / Three Phase(3P3W)
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : V or Δ

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

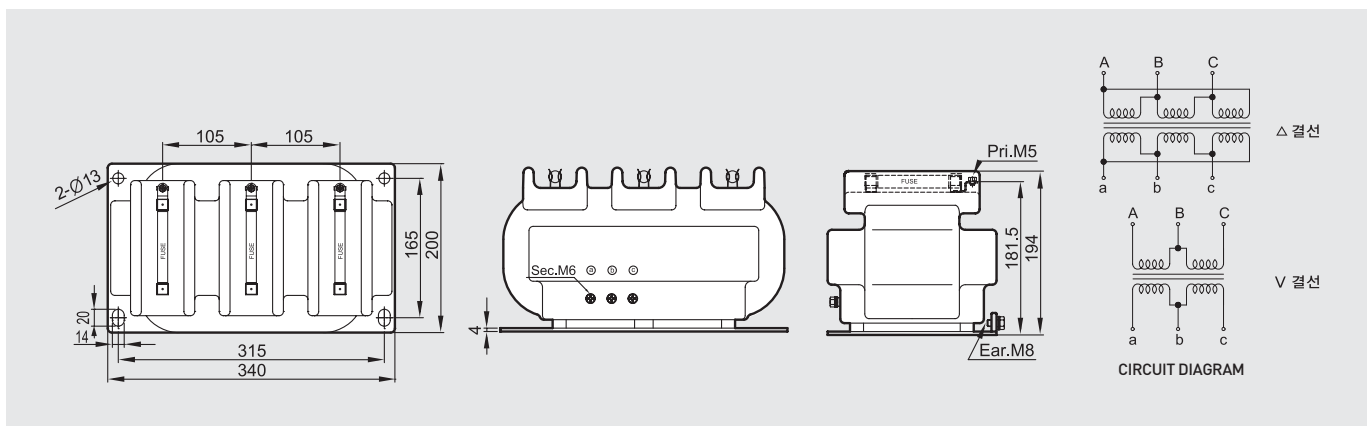
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600V	6600V	6600V
2차 전압 / Secondary Voltage	110V or 220V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 35		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-61V(F)	
0.5	0.5	0.5	2×50VA	1.2Vn Continuous
1.0	1.0	1.0	2×100VA	1.2Vn Continuous
3.0	3.0	3.0	2×200VA	1.2Vn Continuous

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
6600V	110, 220V

■ 외형치수 / Dimension





3PE-61NY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

사양 / Specification

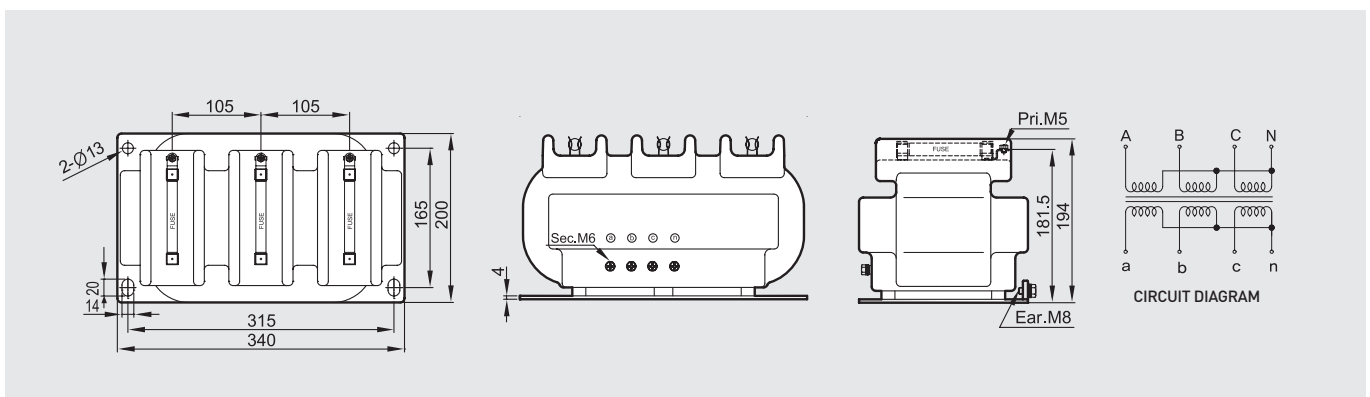
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/√3 V	6600/√3 V	6600/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 35		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-61NY(F)	
0.5	0.5	0.5	3×50VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0	1.0	3×100VA	1.2Vn Cont., 1.9Vn/30sec
3.0	3.0	3.0	3×200VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0	1.0	3×100VA	1.2Vn Cont., 1.9Vn/8hr

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
6600/√3 V	110/√3 V or 190/√3 V

외형치수 / Dimension





고압 계기용 변압기(삼상용)

MV Three Phase Voltage Transformer



3PE-61NTY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

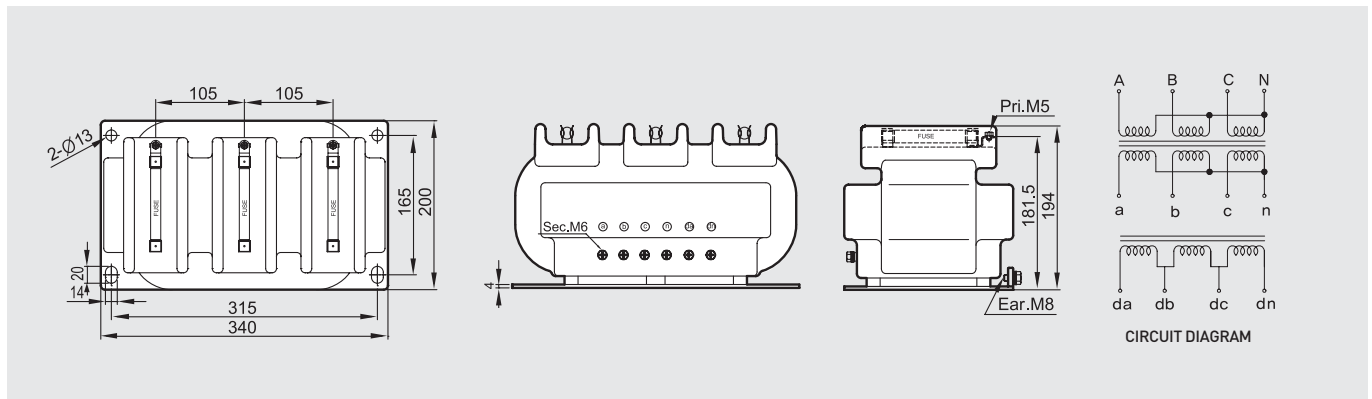
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV	6.9kV	7.2kV
1차 전압 / Primary Voltage	6600/√3 V	6600/√3 V	6600/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		
3차 전압 / Tertiary Voltage	110/√3 V or 190/3V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV	6.9 / 22 / 60kV	7.2 / 20 / 60kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 35		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-61NTY(F)	
0.5	0.5 / 3G	0.5 / 3P	3×50 / 100VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0 / 3G	1.0 / 3P	3×100 / 200VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0 / 3G	1.0 / 3P	3×50 / 100VA	1.2Vn Cont., 1.9Vn/8hr

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
6600/√3 V	110/√3 V or 190/√3 V	110/√3 V or 190/3V

■ 외형치수 / Dimension





3PE-62V(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage: 7.2~12kV

특징 / Feature

- 옥내용 / For Indoor
- 삼상용 / Three Phase (3P3W)
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : V or Δ

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

사양 / Specification

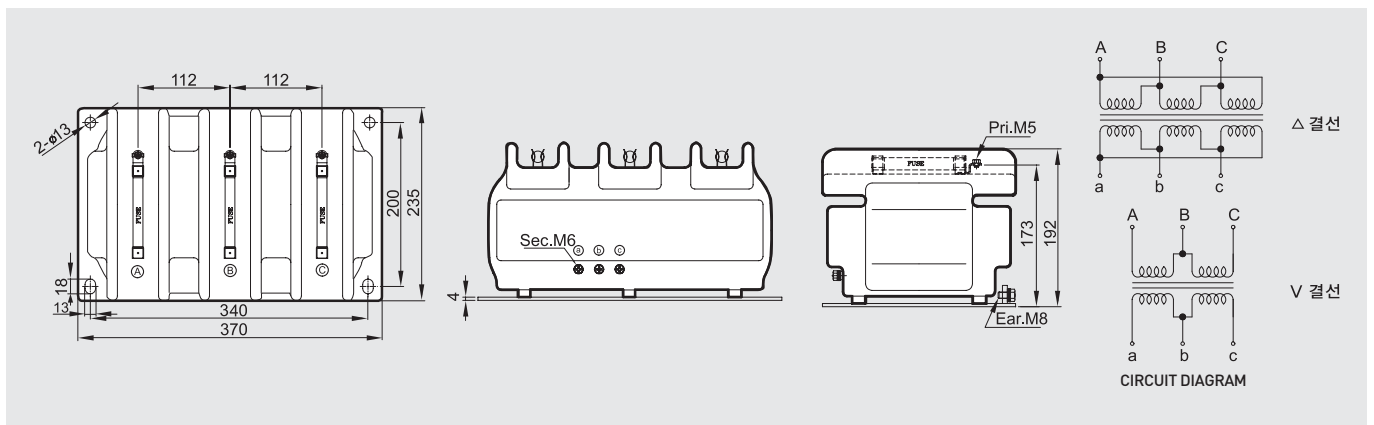
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV, 11.5kV	6.9kV, 11.5kV	7.2kV, 12kV
1차 전압 / Primary Voltage	6600V, 11000V	6600V, 11000V	6600V, 11000V
2차 전압 / Secondary Voltage	110V or 220V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV, 11.5 / 28 / 95kV	6.9 / 22 / 60kV, 11.5 / 28 / 90kV	7.2 / 20 / 60kV, 12 / 28 / 75kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 40		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-62V(F)	
0.5	0.5	0.5	2×200VA	1.2Vn Continuous
1.0	1.0	1.0	2×200VA	1.2Vn Continuous
3.0	3.0	3.0	2×300VA	1.2Vn Continuous

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
6600, 11000V	110, 220V

외형치수 / Dimension





고압 계기용 변압기(삼상용)

MV Three Phase Voltage Transformer



3PE-62NY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

■ 사양 / Specification

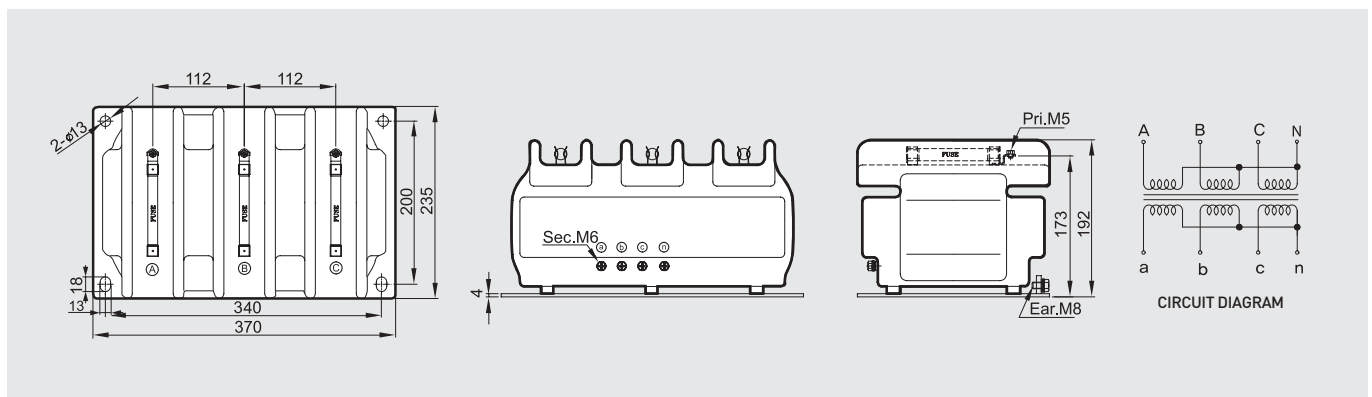
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV, 11.5kV	6.9kV, 11.5kV	7.2kV, 12kV
1차 전압 / Primary Voltage	6600/√3 V, 11000/√3 V	6600/√3 V, 11000/√3 V	6600/√3 V, 11000/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV, 11.5 / 28 / 95kV	6.9 / 22 / 60kV, 11.5 / 28 / 90kV	7.2 / 20 / 60kV, 12 / 28 / 75kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 40		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-62NY(F)	
0.5	0.5	0.5	3×200VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0	1.0	3×200VA	1.2Vn Cont., 1.9Vn/30sec
3.0	3.0	3.0	3×300VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0	1.0	3×200VA	1.2Vn Cont., 1.9Vn/8hr

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage
6600/√3 V, 11000/√3 V	110/√3 V or 190/√3 V

■ 외형치수 / Dimension





3PE-62NTY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase (3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y, 3rd Connection : Open Delta

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

사양 / Specification

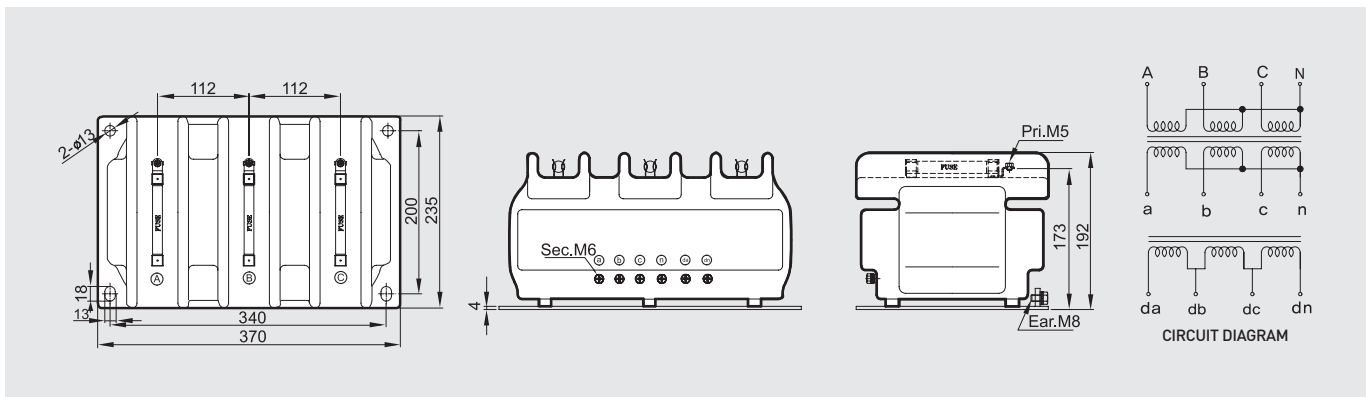
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	7.2kV, 11.5kV	6.9kV, 11.5kV	7.2kV, 12kV
1차 전압 / Primary Voltage	6600/√3 V, 11000/√3 V	6600/√3 V, 11000/√3 V	6600/√3 V, 11000/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		
3차 전압 / Tertiary Voltage	110/√3 V or 190/3V		
절연 계급 / Insulation Level	7.2 / 22 / 60kV, 11.5 / 28 / 95kV	6.9 / 22 / 60kV, 11.5 / 28 / 90kV	7.2 / 20 / 60kV, 12 / 28 / 75kV
과전압 배수 / Over Voltage Factor	—	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 40		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	3PE-62NTY(F)	
0.5	0.5 / 3G	0.5 / 3P	3×100 / 200VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0 / 3G	1.0 / 3P	3×200 / 500VA	1.2Vn Cont., 1.9Vn/30sec
1.0	1.0 / 3G	1.0 / 3P	3×100 / 200VA	1.2Vn Cont., 1.9Vn/8hr

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
6600/√3 V, 11000/√3 V	110/√3 V or 190/√3 V	110/√3 V or 190/3V

외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-15(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~15.5kV

■ 특징 / Feature

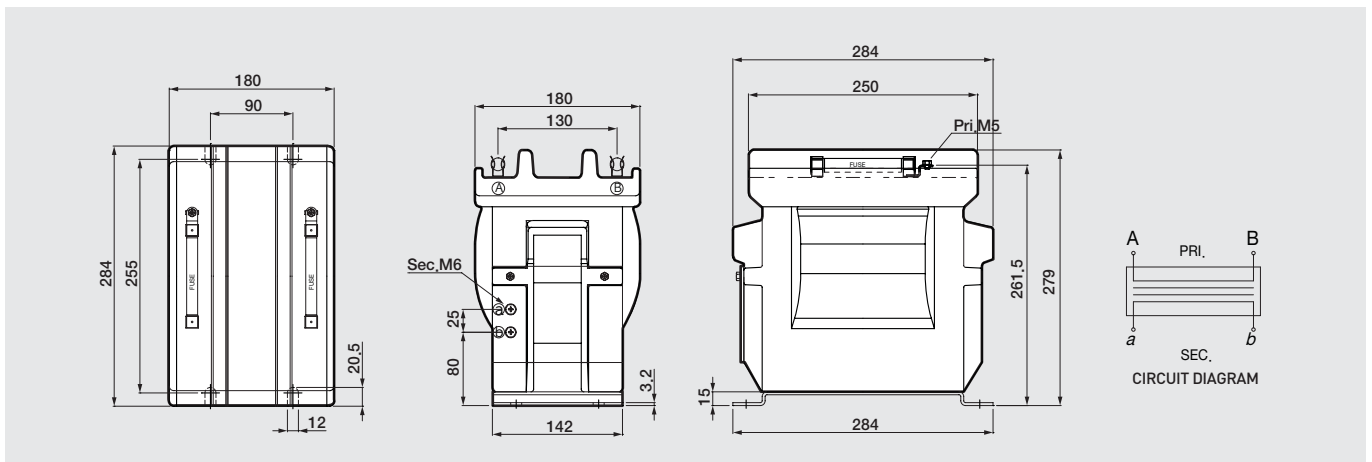
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV	12kV
1차 전압 / Primary Voltage	11000V, 13200V	11000V
2차 전압 / Secondary Voltage	110V	
절연 계급 / Insulation Level	11.5 / 28 / 95kV, 13.8 / 39 / 115kV	12 / 28 / 75kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 27kg	

계급 / Accuracy Class		부담 / Burden	
KS C 1706	IEC 61869-3	PE-15(F)	PE-15D(F)
0.2	0.2	15VA	
0.5	0.5	100VA	
1.0	1.0	100 or 200VA	
3.0	3.0	500 or 1000VA	

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-15N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~15.5kV

Fuse Type

특징 / Feature

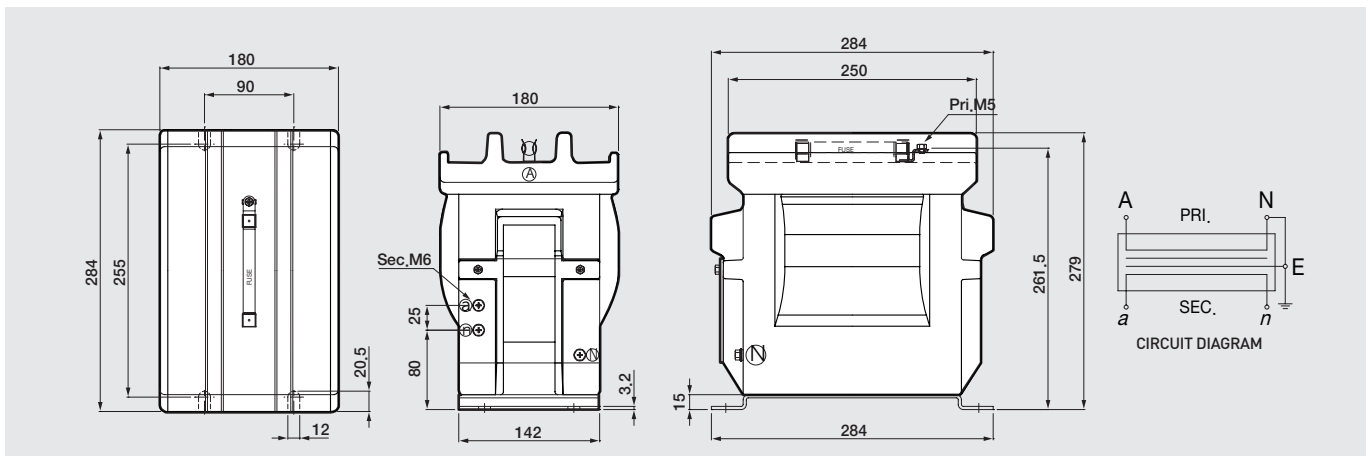
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양 / Specification

규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV	12kV
1차 전압 / Primary Voltage	11000/√3 V, 13200/√3 V	11000/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V	110-110/√3 V
3차 전압 / Tertiary Voltage	-	110/√3 V or 190/3V
절연 계급 / Insulation Level	11.5/28/95kV, 13.8/39/115kV	12/28/75kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 27kg	

계급 / Accuracy Class		부담 / Burden			
KS C 1706	IEC 61869-3	PE-15N(F)	PE-15ND(F)	PE-15NT(F)	PE-15NDT(F)
0.5	0.5	50VA	50VA	-	-
1.0	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3.0	300VA	300VA	-	-
-	1.0/3P	-	-	100 / 200VA	100 / 200VA
-	1.0/3P	-	-	200 / 300VA	200 / 300VA

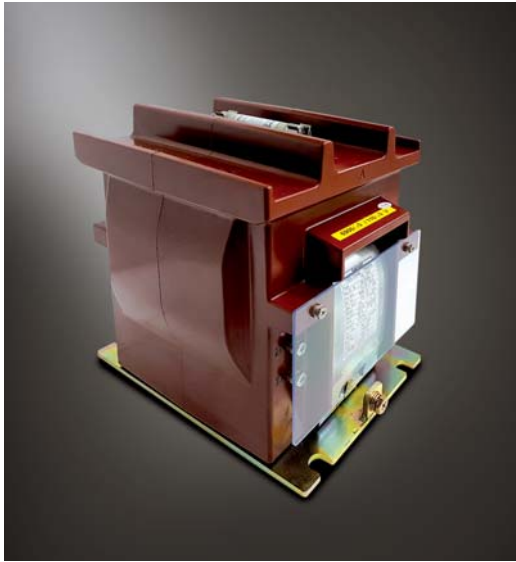
외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-16(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~12kV

Fuse Type

■ 특징 / Feature

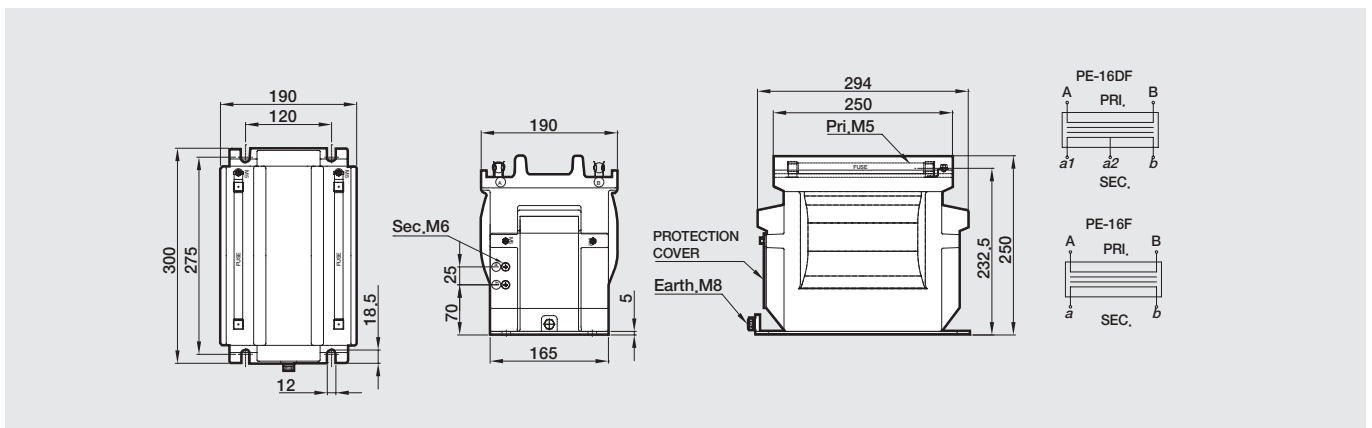
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV, 17.25kV	12kV, 17.5kV
1차 전압 / Primary Voltage	11000V, 11400V, 13200V, 13800V	11000V, 13200V, 13800V
2차 전압 / Secondary Voltage	110V	
절연 계급 / Insulation Level	11.5/28/95kV, 13.8/39/115kV, 17.25/39/100kV	12/28/75kV, 17.5/38/95kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 30	

계급 / Accuracy Class		부담 / Burden	
KS C 1706	IEC 61869-3	PE-16(F)	PE-16D(F)
0.2	0.2	100VA	
0.5	0.5	300VA	
1.0	1.0	750VA	
3.0	3.0	2000VA	

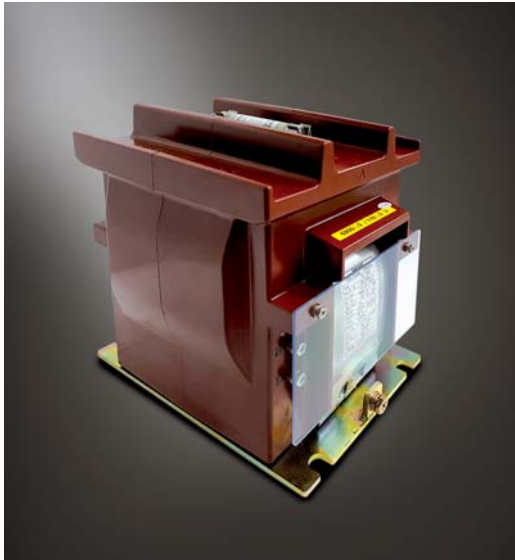
■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-16N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~12kV

Fuse Type

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양 / Specification

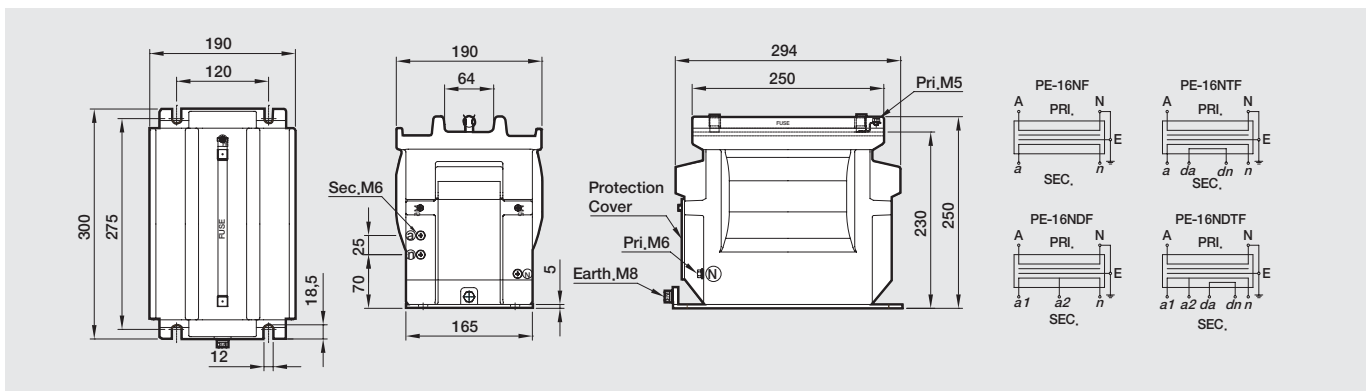
규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV, 17.25kV	12kV, 17.5kV
1차 전압 / Primary Voltage	11000/√3 V, 11400/√3 V, 13200/√3 V, 13800/√3 V	11000/√3 V, 13200/√3 V, 13800/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V	110-110/√3 V
3차 전압 / Tertiary Voltage	-	110/√3 V or 190/3 V
절연 계급 / Insulation Level	11.5 / 28 / 95kV, 13.8 / 39 / 115kV, 17.25 / 39 / 100kV	12 / 28 / 75kV, 17.5 / 38 / 95kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 30	

계급 / Accuracy Class		부담 / Burden			
KS C 1706	IEC 61869-3	PE-16N(F)	PE-16ND(F)	PE-16NT(F)	PE-16NDT(F)
0.5	0.2	100VA	50VA	-	-
1.0	0.5	100 or 200VA	100 or 200VA	-	-
3.0	1.0	500VA	500VA	-	-
-	0.2 / 3P	-	-	100 / 200VA	100 / 200VA
-	1.0 / 3P	-	-	500 / 1000VA	500 / 1000VA

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
11000/√3, 11400/√3, 13200/√3, 13800/√3 V	110-110/√3, 110/√3, 190/√3 V	110/√3, 190/3 V

외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-17(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~17.5kV

Fuse Type

■ 특징 / Feature

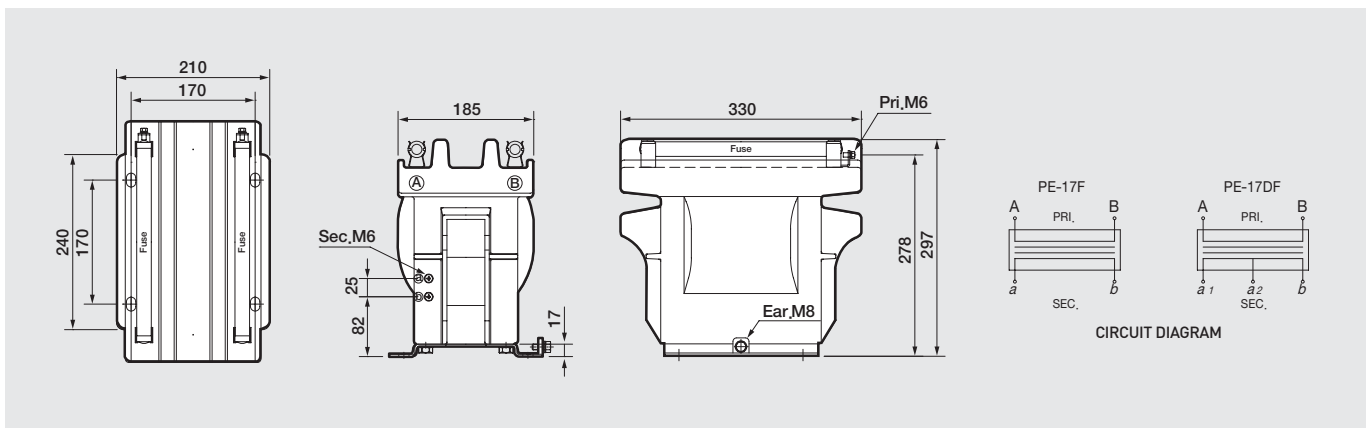
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV, 17.25kV	12kV, 17.5kV
1차 전압 / Primary Voltage	11000V, 11400V, 13200V, 13800V	11000V, 13200V, 13800V
2차 전압 / Secondary Voltage	110V	
절연 계급 / Insulation Level	11.5/28/95kV, 13.8/39/115kV, 17.25/39/100kV	12/28/75kV, 17.5/38/95kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 30	

계급 / Accuracy Class		부담 / Burden	
KS C 1706	IEC 61869-3	PE-17(F)	PE-17D(F)
0.2	0.2	15VA	
0.5	0.5	100VA	
1.0	1.0	100 or 200VA	
3.0	3.0	500 or 1000VA	

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-17N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~17.5kV

Fuse Type

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

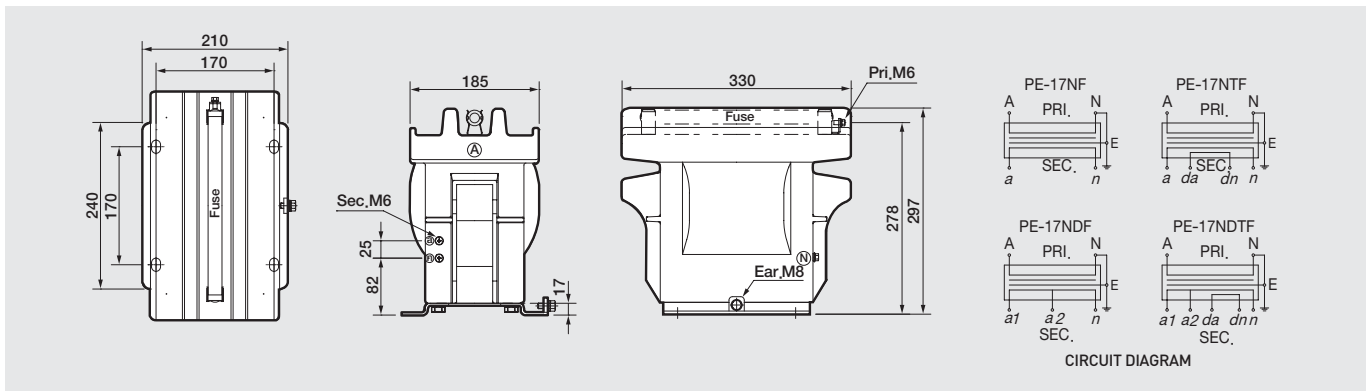
규격 / Standard	KS C 1706	IEC 61869-3
최고 회로 전압 / Max. Voltage	11.5kV, 13.8kV, 17.25kV	12kV, 17.5kV
1차 전압 / Primary Voltage	11000/√3 V, 11400/√3 V, 13200/√3 V, 13800/√3 V	11000/√3 V, 13200/√3 V, 13800/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V	110-110/√3 V
3차 전압 / Tertiary Voltage	-	110/√3 V or 190/3 V
절연 계급 / Insulation Level	11.5 / 28 / 95kV, 13.8 / 39 / 115kV, 17.25 / 39 / 100kV	12 / 28 / 75kV, 17.5 / 38 / 95kV
과전압 배수 / Over Voltage Factor	-	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 30	

계급 / Accuracy Class		부담 / Burden			
KS C 1706	IEC 61869-3	PE-17N(F)	PE-17ND(F)	PE-17NT(F)	PE-17NDT(F)
0.5	0.5	50VA	50VA	-	-
1.0	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3.0	300VA	300VA	-	-
-	1.0 / 3P	-	-	100 / 200VA	100 / 200VA
-	1.0 / 3P	-	-	200 / 300VA	200 / 300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
11000/√3, 11400/√3, 13200/√3, 13800/√3 V	110-110/√3, 110/√3, 190/√3 V	110/√3, 190/3 V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-25N

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

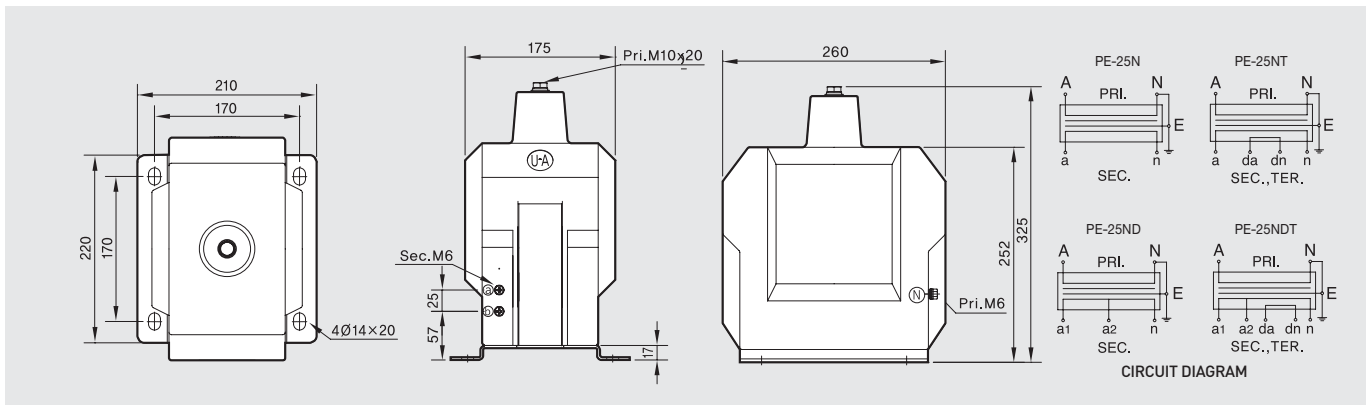
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$ V	22000/ $\sqrt{3}$ V	22900/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		110-110/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	-	110/ $\sqrt{3}$ V or 190/3 V	110/ $\sqrt{3}$ V or 190/3 V
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV(95kV)
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 26		

계급 / Accuracy Class			부담 / Burden			
KS C 1706	JEC 1201	IEC 61869-3	PE-25N	PE-25ND	PE-25NT	PE-25NDT
0.5	-	0.5	50VA	50VA	-	-
1.0	1P	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3P	3.0	300VA	300VA	-	-
-	1P / 3G	1.0 / 3P	-	-	100 / 200VA	100 / 200VA
-	-	1.0 / 3P	-	-	200 / 300VA	200 / 300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/ $\sqrt{3}$, 13800/ $\sqrt{3}$, 22900/ $\sqrt{3}$ V	110-110/ $\sqrt{3}$, 110/ $\sqrt{3}$, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$, 190/3 V

■ 외형치수 / Dimension





CPE-25N

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 케이블용 / Cable Type
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양 / Specification

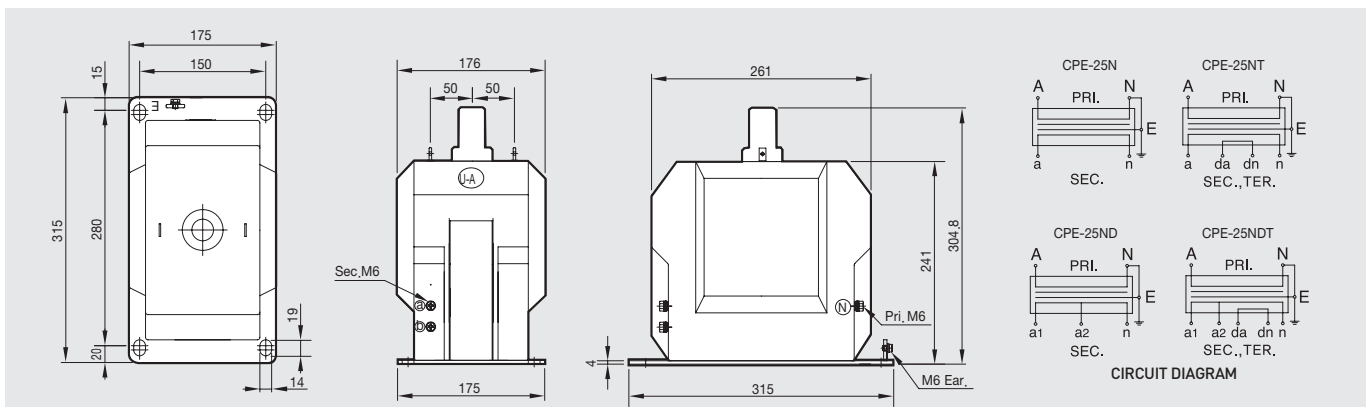
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/√3	22000/√3	22900/√3
2차 전압 / Secondary Voltage	110/√3V or 190/√3V		110-110/√3V
3차 전압 / Tertiary Voltage	-	110/√3V or 190/3V	
절연 계급 / Insulation Level	25.8/50/150kV	23/50/125kV	24/50/125kV (95kV)
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 26		

계급 / Accuracy Class			부담 / Burden			
KS C 1706	JEC 1201	IEC 61869-3	CPE-25N	CPE-25ND	CPE-25NT	CPE-25NDT
0.5	-	0.5	50VA	50VA	-	-
1.0	1P	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3P	3.0	300VA	300VA	-	-
-	1P / 3G	1.0 / 3P	-	-	100 / 200VA	100 / 200VA
-	-	1.0 / 3P	-	-	200 / 300VA	200 / 300VA

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/√3, 13800/√3, 22900/√3V	110-110/√3, 110/√3, 190/√3V	110/√3, 190/3V

외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer

**PE-26**

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

■ 특징 / Feature

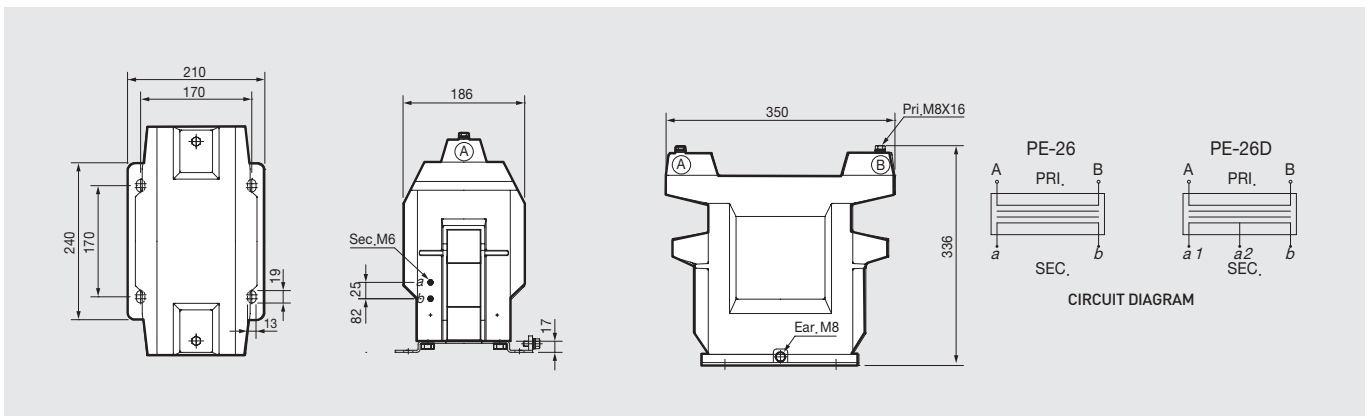
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900V	22000V	22900V
2차 전압 / Secondary Voltage	110V		
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 33		

계급 / Accuracy Class			부담 / Burden	
KS C 1706	JEC 1201	IEC 61869-3	PE-26	PE-26D
0.2	-	0.2	15VA	
0.5	-	0.5	100VA	
1.0	1P	1.0	100 or 200VA	
3.0	3P	3.0	500VA	

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-26N

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

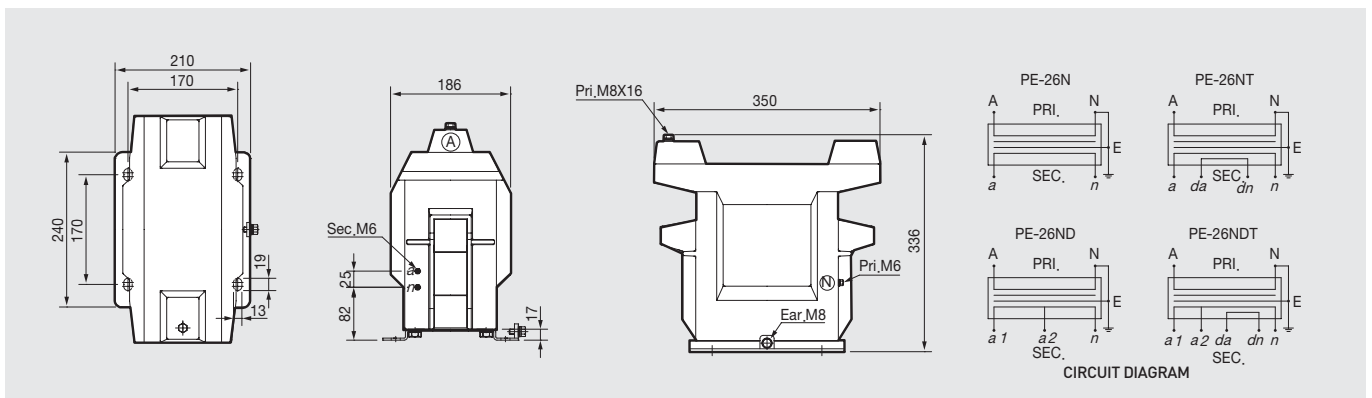
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$ V	22000/ $\sqrt{3}$ V	22900/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		110-110/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	-	110/ $\sqrt{3}$ V or 190/3 V	110/ $\sqrt{3}$ V or 190/3 V
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 33		

계급 / Accuracy Class			부담 / Burden			
KS C 1706	JEC 1201	IEC 61869-3	PE-26N	PE-26ND	PE-26NT	PE-26NDT
0.5	-	0.5	50VA	50VA	-	-
1.0	1P	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3P	3.0	300VA	300VA	-	-
-	1P / 3G	1.0 / 3P	-	-	100 / 200VA	100 / 200VA
-	-	1.0 / 3P	-	-	200 / 300VA	200 / 300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/ $\sqrt{3}$, 13800/ $\sqrt{3}$, 22900/ $\sqrt{3}$ V	110-110/ $\sqrt{3}$, 110/ $\sqrt{3}$, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$, 190/3 V

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-26NF

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

Fuse Type

■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

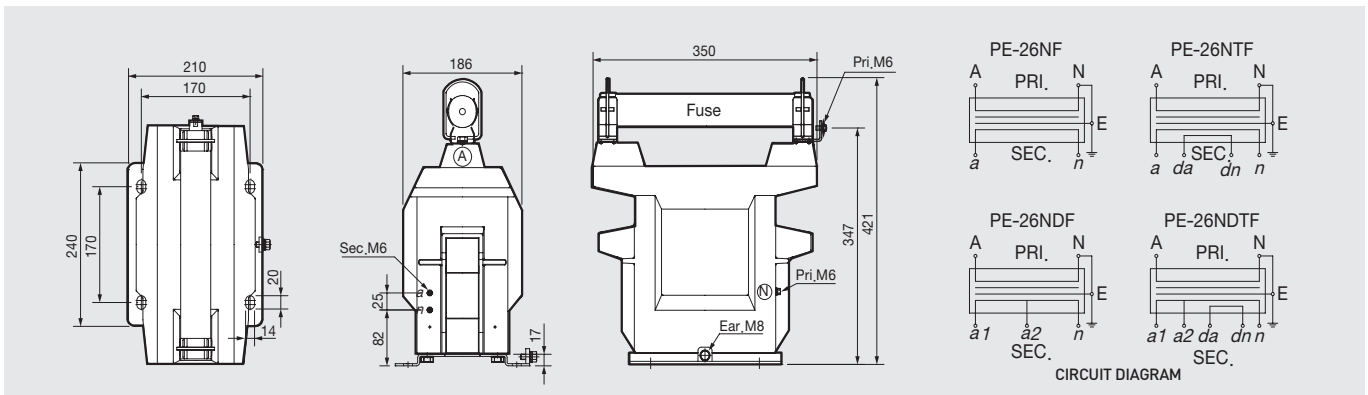
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$ V	22000/ $\sqrt{3}$ V	22900/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		110-110/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	-	110/ $\sqrt{3}$ V or 190/3V	110/ $\sqrt{3}$ V or 190/3V
절연 계급 / Insulation Level	25.8 / 50 / 125kV(150kV)	23 / 50 / 125kV(150kV)	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 33kg		

계급 / Accuracy Class			부담 / Burden			
KS C 1706	JEC 1201	IEC 61869-3	PE-26NF	PE-26NDF	PE-26NTF	PE-26NDTF
0.5	-	0.5	100VA	100VA	-	-
1.0	1P	1.0	100 or 200VA	100 or 200VA	-	-
3.0	3P	3.0	300VA	300VA	-	-
-	1P / 3G	1.0 / 3P	-	-	100 / 200VA	100 / 200VA
-	-	1.0 / 3P	-	-	200 / 300VA	200 / 300VA

■ 주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/ $\sqrt{3}$, 13800/ $\sqrt{3}$, 22900/ $\sqrt{3}$ V	110-110/ $\sqrt{3}$, 110/ $\sqrt{3}$, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$, 190/3V

■ 외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-27(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 15.5~25.8kV

Fuse Type

■ 특징 / Feature

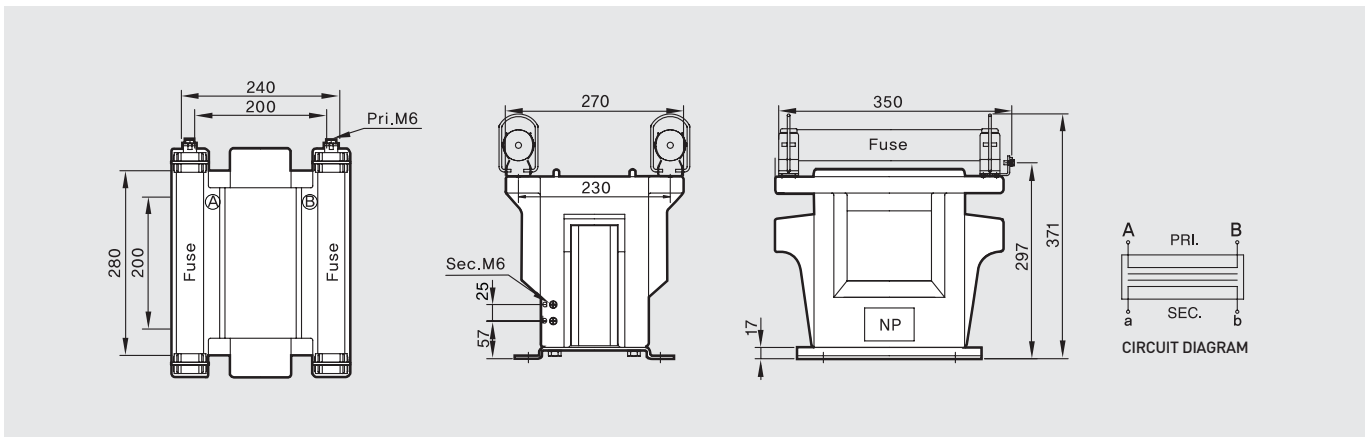
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	17.25kV	17.25~23kV	17.5~24kV
1차 전압 / Primary Voltage	13200V	13200~22000V	13200~22900V
2차 전압 / Secondary Voltage	110V		
절연 계급 / Insulation Level	17.25/39/100kV(15B)	17.25/39/115kV	17.5/38/95kV
과전압 배수 / Over Voltage Factor	1.1Vn Continuous	1.1Vn Continuous	1.2Vn Continuous
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒43kg		

계급 / Accuracy Class			부담 / Burden
KS C 1706	JEC 1201	IEC 61869-3	PE-27(F)
0.2	-	0.2	50VA
0.5	-	0.5	200VA
1.0	1P	1.0	50~500VA
3.0	3P	3.0	1000VA

■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

MV Earthed Voltage Transformer



PE-28N(T)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:24kV(25.8kV)

특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option:1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양 / Specification

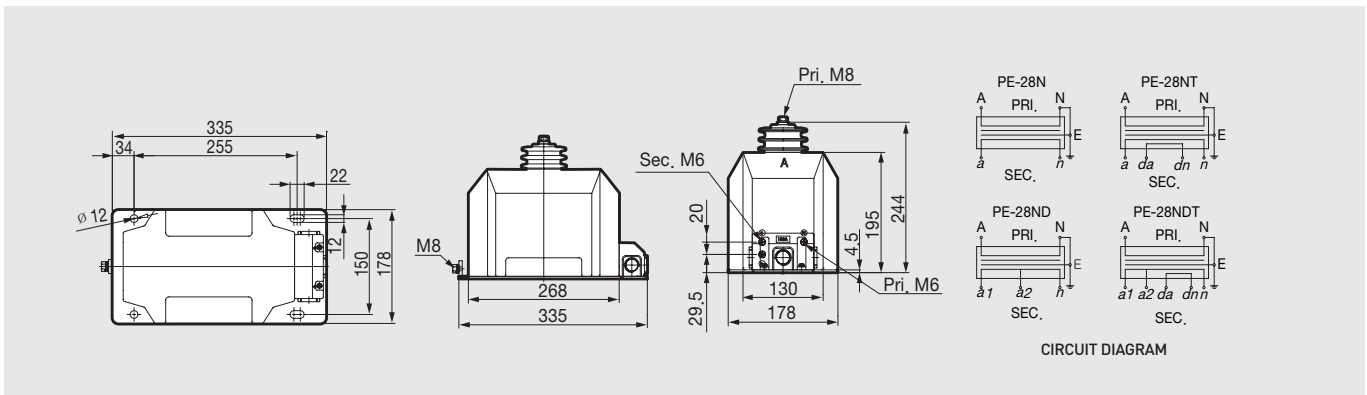
규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3
최고 회로 전압 / Max. Voltage	25.8kV	23kV	24kV
1차 전압 / Primary Voltage	22900/ $\sqrt{3}$ V	22000/ $\sqrt{3}$ V	22900/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V		110-110/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	-	110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V	
절연 계급 / Insulation Level	25,8 / 50 / 125kV	23 / 50 / 125kV	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	-	1.1Vn Cont., 1.9Vn/30min	1.2Vn Cont., 1.9Vn/30sec
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 25kg		

계급 / Accuracy Class			부담 / Burden		
KS C 1706	JEC 1201	IEC 61869-3	PE-28N, PE-28ND	PE-28NT	PE-28NDT
0.5	-	0.5	50VA	-	-
1.0	1P	1.0	100VA or 200VA	-	-
3.0	3P	3.0	300VA	-	-
-	1P / 3G	1.0 / 3P	-	100/200VA	100/200VA
-	-	1.0 / 3P	-	200/300VA	200/300VA

주문형 전압비 / Optional Voltage

1차 전압 / Primary Voltage	2차 전압 / Secondary Voltage	3차 전압 / Tertiary Voltage
13200/ $\sqrt{3}$, 13800/ $\sqrt{3}$, 22900/ $\sqrt{3}$ V(Option)	110-110/ $\sqrt{3}$, 110/ $\sqrt{3}$, 190/ $\sqrt{3}$ V	110/ $\sqrt{3}$, 190/3V

외형치수 / Dimension





고압 계기용 변압기

MV Voltage Transformer



PE-33L

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~17.5kV

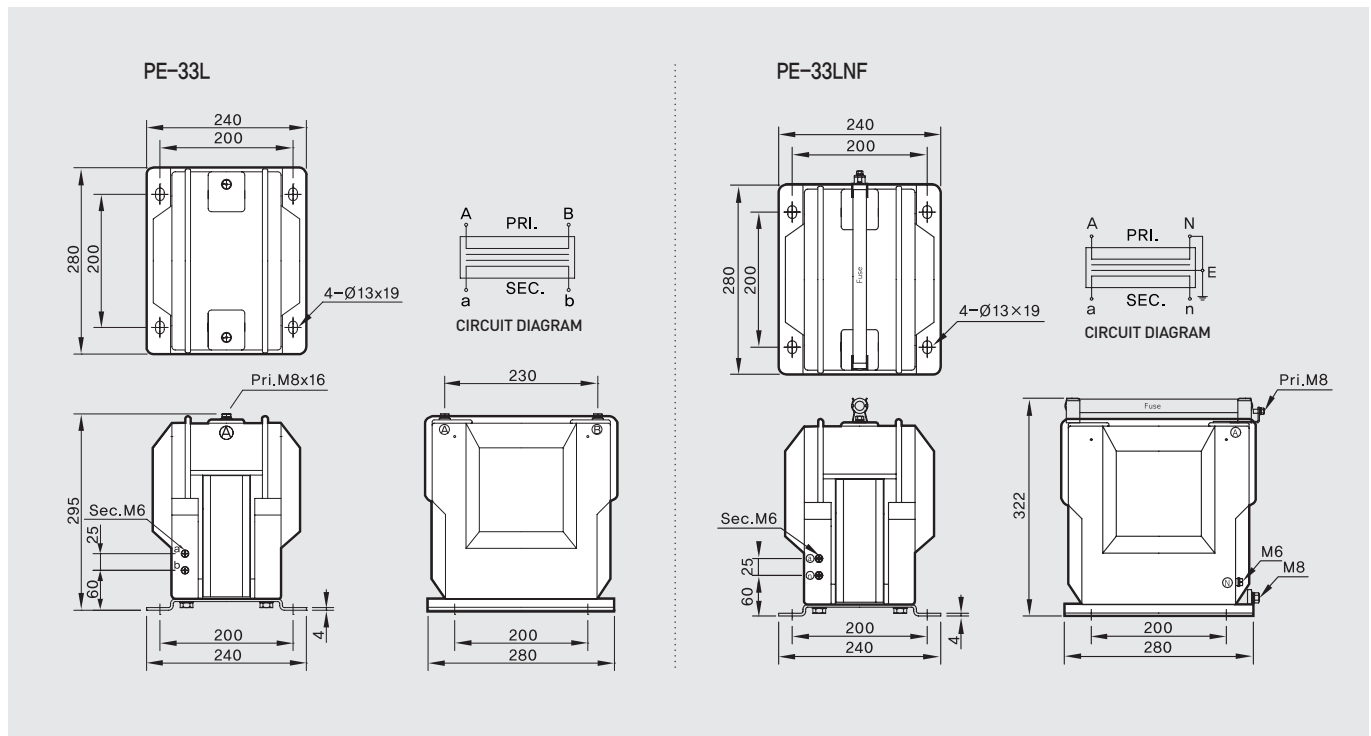
■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer (PE-33L)
- 접지형 / Earthed Voltage Transformer (PE-33LNF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

Type	PE-33L	PE-33LNF
최고 회로 전압 / Max. Voltage	17.5kV	17.5kV
1차 전압 / Primary Voltage	13800V	13800 / $\sqrt{3}$
2차 전압 / Secondary Voltage	110V / 220V	110/ $\sqrt{3}$, 190/3V
계급 / Accuracy Class	5.0	1.0
부담 / Burden	1500VA	500VA
중량 / Weight (kg)	≒ 40	≒ 40

■ 외형치수 / Dimension





고압 계기용 변압기 (접지형)

MV Earthed Voltage Transformer



PE-33H

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~24kV

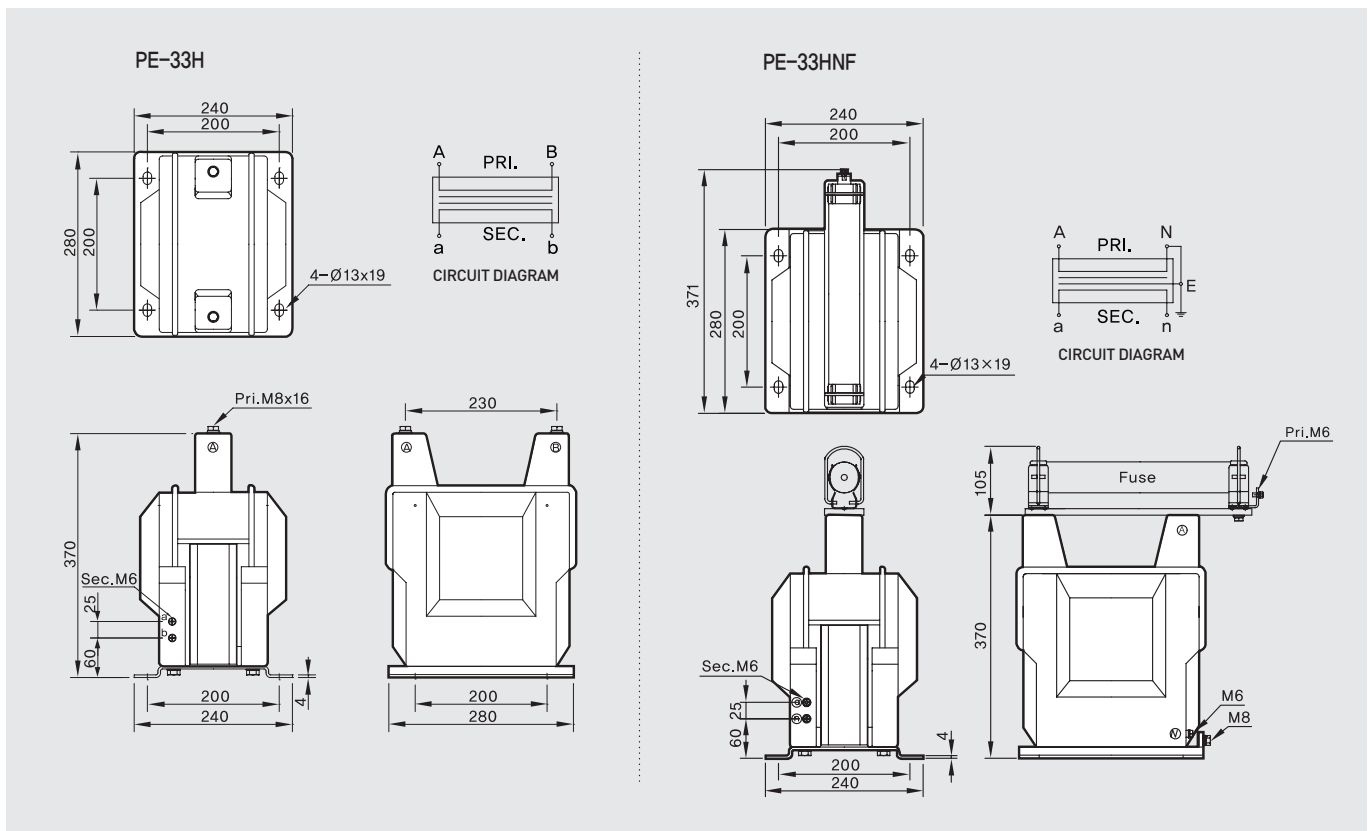
■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer (PE-33H)
- 접지형 / Earthed Voltage Transformer (PE-33HNF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

Type	PE-33H	PE-33HNF
최고 회로 전압 / Max. Voltage	24kV	24kV
1차 전압 / Primary Voltage	22000V	22900 / $\sqrt{3}$ V
2차 전압 / Secondary Voltage	63.5V / 110V / 220V	110 / $\sqrt{3}$, 190/3V
계급 / Accuracy Class	3.0	1.0
부담 / Burden	1000VA	500VA
중량 / Weight (kg)	≒ 40	≒ 40

■ 외형치수 / Dimension





PE-33N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 36kV

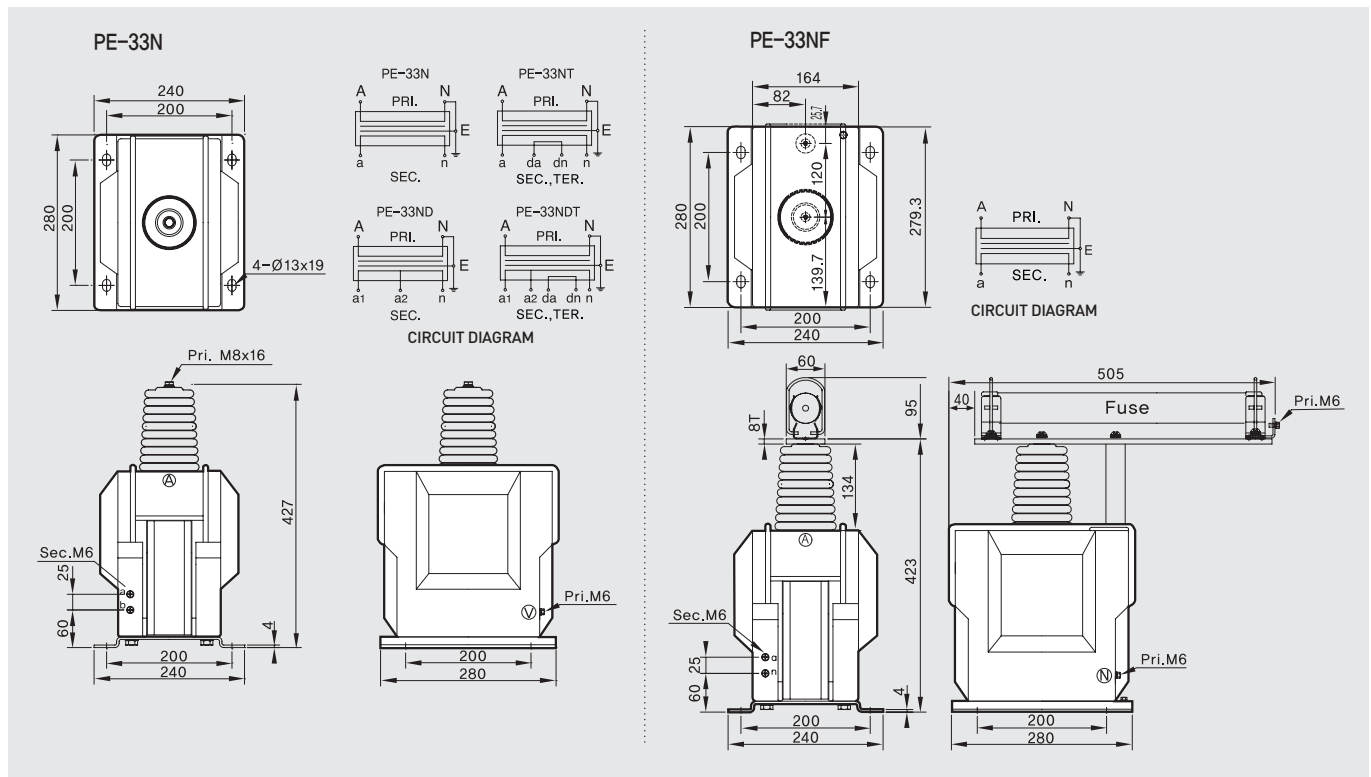
특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양 / Specification

규격 / Standard	KS C 1706	JEC 1201	IEC 61869-3	
최고 회로 전압 / Max. Voltage	34.5kV	34.5kV	36kV	
1차 전압 / Primary Voltage	33000/√3 V	33000/√3 V	19000V	33000/√3 V
2차 전압 / Secondary Voltage	110/√3 V or 190/√3 V		110-110/√3 V	110-110/√3 V
3차 전압 / Tertiary Voltage	-	110/√3 V or 190/3 V	190/3V	110/√3 V or 190/3 V
절연 계급 / Insulation Level	34.5 / 70 / 170kV(200kV)	34.5 / 70 / 170kV(200kV)	36 / 70 / 145kV(170kV)	
주파수 / Frequency	60 or 50Hz			
계급 / Accuracy Class	1.0	1P / 3G	1.0 / 3P	
부담 / Burden	200VA	500 or 1000VA	200 or 500VA	
중량 / Weight (kg)	≒ 40			

외형치수 / Dimension





Medium Voltage Current Transformer



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Cert



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No. 2010-8-TP-010

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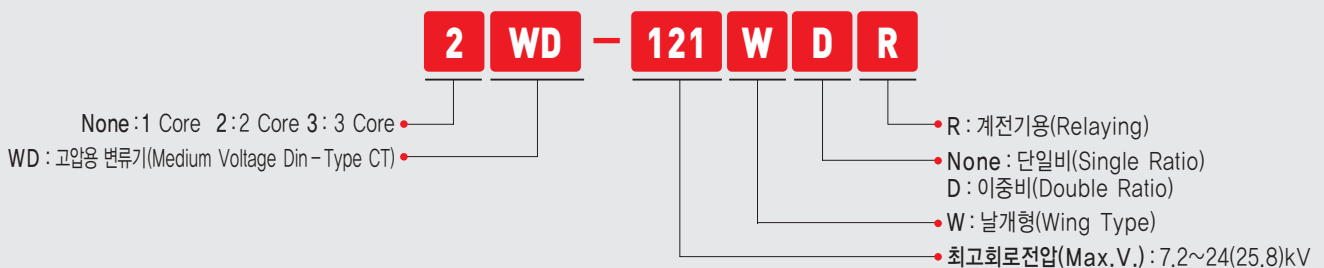
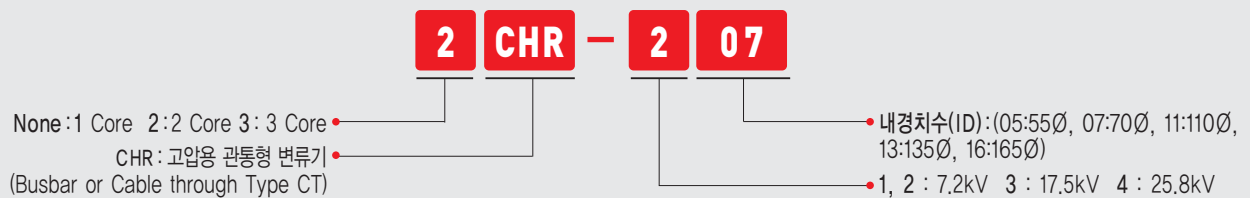
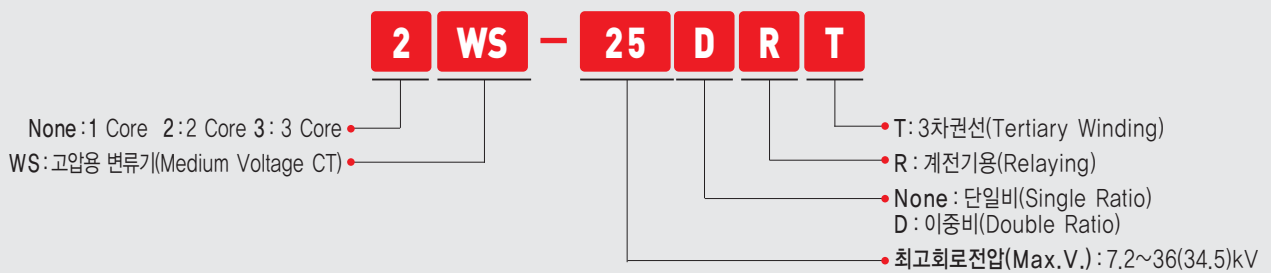
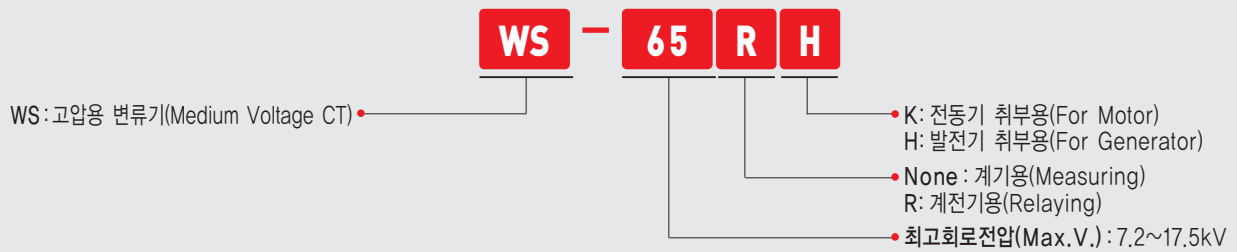


고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



■ 제품분류 인식표 / Index





■ Standard : IEC 61869-2

S.T.C	40In						75In						150In						300In					
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA		
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20
5/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	255	255	65	255	255
10/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	254	255	65	255	255
15/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	254	255	65	255	255
20/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	254	255	65	255	255
25/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	254	255	65	255	255
30/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255	65	254	255	65	255	255
40/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
50/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
60/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
75/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
80/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
100/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
120/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
150/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
200/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255	65	254	255	65	255	255
250/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	65	255						
300/5A	62	62	63	62	63	64	63	64	64	63	64	254	64	64	254	64	254	255						
400/5A	63	63	63	63	63	64	63	64	64	63	64	254	64	64	254	64	254	255						
500/5A	63	63	63	63	63	64	63	64	64	63	64	254												
600/5A	63	63	63	63	63	64	63	64	64	63	64	254												
800/5A	64	64	64	64	64	64	64	64	64	64	64	254												
1000/5A	64	64	64	64	64	64																		
1200/5A	64	64	64	64	64	64																		
1500/5A	64	64	64	64	64	64																		

※2000/5A는 WS-255, 285, 287 제작 가능하며, 1500A 이상은 1차 단자 4HOLE

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S.T.C	8kA						12.5kA						25kA						31.5kA						40kA						
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	
5/5A	285	285	287	287			362																								
10/5A	65	255	285	255	285	363	285	285	287	287	287		287	287	363																
15/5A	65	65	285	65	285	287	65	255	285	255	285	363	285	285	287	287	287		285	285	363					363	363	363			
20/5A	64	64	255	65	255	285	65	65	255	255	255	287	285	285	287	285	287	363	285	285	363	362	363		285	287	363	363	363		
25/5A	64	64	255	65	255	285	64	64	255	65	255	287	254	255	285	255	287	363	285	285	287	285	287	363	285	285	363	362	363	363	
30/5A	64	64	254	64	254	285	64	64	255	65	255	285	65	255	285	255	285	287	285	285	287	285	287	363	285	285	363	362	363	363	
40/5A	64	64	65	64	65	255	64	64	255	64	255	285	65	255	285	255	255	287	65	255	285	255	285	363	254	285	287	285	287	363	
50/5A	63	64	65	64	65	255	64	64	65	64	65	255	64	64	255	254	255	287	65	255	285	255	285	287	254	255	285	255	287	363	
60/5A	63	64	65	64	64	255	64	64	65	64	65	255	64	64	255	65	255	285	65	65	285	255	285	287	65	255	285	255	285	363	
75/5A	62	64	65	64	64	254	64	64	65	64	64	255	64	64	255	64	255	285	65	65	255	65	255	285	65	254	285	254	285	287	
80/5A	62	64	65	64	64	254	64	64	65	64	64	255	64	64	255	64	255	285	65	65	255	65	255	285	65	254	285	254	285	287	
100/5A	62	64	64	63	64	65	64	64	65	64	64	254	64	64	254	64	254	255	65	65	255	65	255	285	65	65	255	254	255	287	
120/5A	62	64	64	63	64	65	64	64	65	64	64	65	64	64	65	64	65	255	65	65	255	65	255	285	65	65	255	65	255	285	
150/5A	62	62	63	62	64	65	62	64	64	64	64	65	64	64	65	64	64	255	65	65	65	65	65	255	65	65	254	65	254	285	
200/5A	62	62	63	62	63	65	62	64	64	64	64	65	64	64	65	64	64	254	65	65	65	65	65	255	65	65	254	65	254	255	
250/5A	62	62	63	62	63	65	62	64	64	64	64	65	64	64	65	64	64	65	65	65	65	65	255	65	65	65	65	65	65	255	
300/5A	62	62	63	62	63	65	62	62	64	62	64	65	64	64	64	64	64	65	65	65	65	65	65	254	65	65	65	65	65	254	
400/5A	63	63	63	63	63	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	254	
500/5A	63	63	63	63	63	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	
600/5A	63	63	63	63	63	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	
800/5A	64	64	64	64	64	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	
1000/5A	64	64	64	64	64	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	
1200/5A	64	64	64	64	64	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	
1500/5A	64	64	64	64	64	65	64	64	64	64	64	65	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	

※2000/5A는 WS-255, 285, 287 제작 가능하며, 1500A 이상은 1차 단자 4HOLE



■ Standard : IEC 61869-2

S.T.C	40In						75In						150In						300In					
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA		
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20
5/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	255	255	254	255	255
10/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
15/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
20/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
25/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
30/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
40/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
50/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
60/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
75/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
80/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
100/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
120/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
150/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
200/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255	254	254	255	254	255	255
250/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255						
300/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255						
400/5A	251	251	251	251	251	252	251	252	252	251	252	254	252	252	254	252	254	255						
500/5A	251	251	251	251	251	252	251	252	252	251	252	254												
600/5A	251	251	251	251	251	252	251	252	252	251	252	254												
800/5A	251	251	251	251	251	252	251	252	252	251	252	254												
1000/5A	251	251	251	251	251																			
1200/5A	251	251	251	251	251																			
1500/5A	251	251	251	251	251																			

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※2000/5A는 WS-255, 285, 287 제작 가능하며, 1500A 이상은 1차 단자 4HOLE

S.T.C	8kA						12.5kA						25kA						31.5kA						40kA					
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA		
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20
5/5A	285	285	287	287			362																							
10/5A	254	255	285	255	285	363	285	285	287	287	287		287	287																
15/5A	254	254	285	255	285	287	254	255	285	255	285	363	285	285	287	287	287		285	285	363				363	363	363			
20/5A	252	252	255	254	255	285	254	255	255	255	255	287	285	285	287	285	287	363	285	285	363	362	363		285	287	363	363	363	
25/5A	252	252	255	252	255	285	252	252	255	254	255	287	254	255	285	255	287	363	285	285	287	285	287	363	285	285	363	362	363	363
30/5A	252	252	254	252	254	285	252	252	255	254	255	285	254	255	285	255	285	287	285	285	287	285	287	363	285	285	363	362	363	363
40/5A	251	252	254	252	254	255	252	252	255	252	255	285	254	255	255	255	255	287	254	255	285	255	285	363	254	285	287	285	287	363
50/5A	251	252	254	252	252	255	251	252	254	252	254	255	252	252	255	254	255	287	254	255	285	255	285	287	254	255	285	255	287	363
60/5A	251	252	254	252	252	255	251	252	254	252	254	255	252	252	255	254	255	285	254	255	285	255	285	287	254	255	285	255	285	363
75/5A	251	251	254	251	252	254	251	252	254	252	252	255	252	252	255	252	255	285	252	254	255	254	255	285	254	254	285	254	285	287
80/5A	251	251	254	251	252	254	251	252	254	252	252	255	252	252	255	252	255	285	252	254	255	254	255	285	254	254	285	254	285	287
100/5A	251	251	252	251	252	254	251	252	254	251	252	254	251	252	254	252	254	255	252	252	255	252	255	285	252	252	255	254	255	287
120/5A	251	251	252	251	252	254	251	251	254	251	252	254	251	252	254	252	254	255	252	252	255	252	255	285	252	252	255	254	255	285
150/5A	251	251	251	251	252	254	251	251	252	251	252	254	251	252	254	252	254	255	252	252	254	252	254	255	252	252	254	252	254	285
200/5A	251	251	251	251	251	254	251	251	252	251	252	254	251	252	254	251	252	254	252	252	254	252	252	255	252	252	254	252	254	255
250/5A	251	251	251	251	251	254	251	251	251	251	252	254	251	251	254	251	252	254	252	252	254	252	252	255	252	252	254	252	252	255
300/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	252	251	252	254	252	252	254	252	252	254	252	252	254	252	252	254
400/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	252	251	252	254	252	252	252	252	252	254	252	252	254	252	252	254
500/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	252	254	252	252	252	252	252	254	252	252	254	252	252	254
600/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	251	254	252	252	252	252	252	254	252	252	252	252	252	254
800/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	251	254	252	252	252	252	252	254	252	252	252	252	252	254
1000/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	251	254	252	252	252	252	252	254	252	252	252	252	252	254
1200/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	251	254	252	252	252	252	252	254	252	252	252	252	252	254
1500/5A	251	251	251	251	251	254	251	251	251	251	251	254	251	251	251	251	251	254	252	252	252	252	252	254	252	252	252	252	252	254

■ Standard : IEC 61869-2

[illegible]

※ 1500A 이상은 1차 단자 4HOLE

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S.T.C	8kA						12.5kA						25kA						31.5kA						40kA						
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	
5/5A	362	362	362	362			362																								
10/5A	361	361	362	362	362	363	362	362	363	362	363		362	363	363																
15/5A	361	361	362	361	362	362	361	361	362	362	362	363	362	362	363	362	363		362	363	363					363	363	363			
20/5A	361	361	362	361	362	362	361	361	362	361	362	363	362	362	363	362	363	363	362	362	363	362	363		362	363	363	363	363		
25/5A	361	361	361	361	361	362	361	361	362	361	362	362	361	362	362	362	362	363	362	362	363	362	363	363	362	362	363	362	363	363	
30/5A	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	362	362	363	362	362	363	362	363	363	362	362	363	362	363	363	
40/5A	361	361	361	361	361	362	361	361	361	361	361	362	361	361	362	361	362	363	361	362	362	362	362	363	362	362	363	362	363	363	
50/5A	361	361	361	361	361	361	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	362	362	363	361	362	362	362	362	363	
60/5A	361	361	361	361	361	361	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	361	362	363	361	361	362	362	362	363	
75/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	362	362	363	
80/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	361	362	363	
100/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	362	361	362	362	361	361	362	361	362	362	
120/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	361	361	361	362	361	361	362	361	362	362	
150/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	361	361	361	362	
200/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	361	361	361	361	361	362	
250/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	362	
300/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
400/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
500/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
600/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
800/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
1000/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
1200/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	
1500/5A	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	

※ 1500A 이상은 1차 단자 4HOLE



208 CTE TECH Products Guide



정격과전류별 타입 선정표

CT Selection Table 12kV ~ 24kV_DIN TYPE

■ Standard : IEC 61869-2

S.T.C	40In						75In						150In						300In					
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA		
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20
5/5A	240	240	240	240	240		240	240	240	240	240		240	240	240	240	241		240	240	242	240		
10/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
15/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
20/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
25/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
30/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
40/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
50/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
60/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
75/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
80/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
100/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
120/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
150/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241		
200/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241							
250/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241							
300/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241							
400/5A	240	240	240	240	240	240	240	240	240	240	240	240												
500/5A	240	240	240	240	240	240	240	240	240	240	240	240												
600/5A	240	240	240	240	240	240	240	240	240	240	240	240												
800/5A	240	240	240	240	240	240																		
1000/5A	240	240	240	240	240	240																		
1200/5A	240	240	240	240	240	240																		
1500/5A																								

※ 1500A 이상은 1차 단자 4HOLE

TYPE	Page
121	250
122	252
123	254
124	256
125	258
240	260
241	262
242	264

S.T.C	8kA						12.5kA						25kA						31.5kA						40kA					
BURDEN	15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA			15VA			40VA		
CLASS	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20	1.0	5P10	5P20
5/5A																														
10/5A	242	242																												
15/5A	242	242	242	242			242	242																						
20/5A	240	240	242	241	242		241	241	242	242			242	242																
25/5A	240	240	241	240	241		241	241	242	241	242		241	241	242	242			242	242					242	242				
30/5A	240	240	241	240	241		240	240	241	241	242		241	241	242	242			242	242					242	242				
40/5A	240	240	241	240	241	242	240	240	241	240	241		241	241	242	241	242		241	241	242	242			241	241	242	242		
50/5A	240	240	240	240	241	241	240	240	241	240	241	242	241	241	241	241	241		241	241	242	241	242		241	241	242	241	242	
60/5A	240	240	240	240	241	241	240	240	241	240	241	242	240	240	241	241	241		240	240	242	241	242		240	240	242	241	242	
75/5A	240	240	240	240	240	241	240	240	240	240	241	241	240	240	241	240	241	242	240	240	241	240	241		240	240	241	240	241	
80/5A	240	240	240	240	240	241	240	240	240	240	241	241	240	240	241	240	241	242	240	240	241	240	241		240	240	241	240	241	
100/5A	240	240	240	240	240	241	240	240	240	240	240	241	240	240	241	240	241	241	240	240	241	240	241	242	240	240	241	240	241	242
120/5A	240	240	240	240	240	241	240	240	240	240	240	241	240	240	241	240	241	241	240	240	241	240	241	242	240	240	241	240	241	242
150/5A	240	240	240	240	240	240	240	240	240	240	240	241	240	240	240	240	241	241	240	240	240	240	240	241	240	240	241	240	241	241
200/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	241	240	240	240	240	240	241	240	240	240	240	240	241
250/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	241	240	240	240	240	240	241	240	240	240	240	240	241
300/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	241	241	240	240	240	240	240	241	240	240	240	240	240	241
400/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
500/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
600/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
800/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
1000/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
1200/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
1500/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
2000/5A	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-62(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

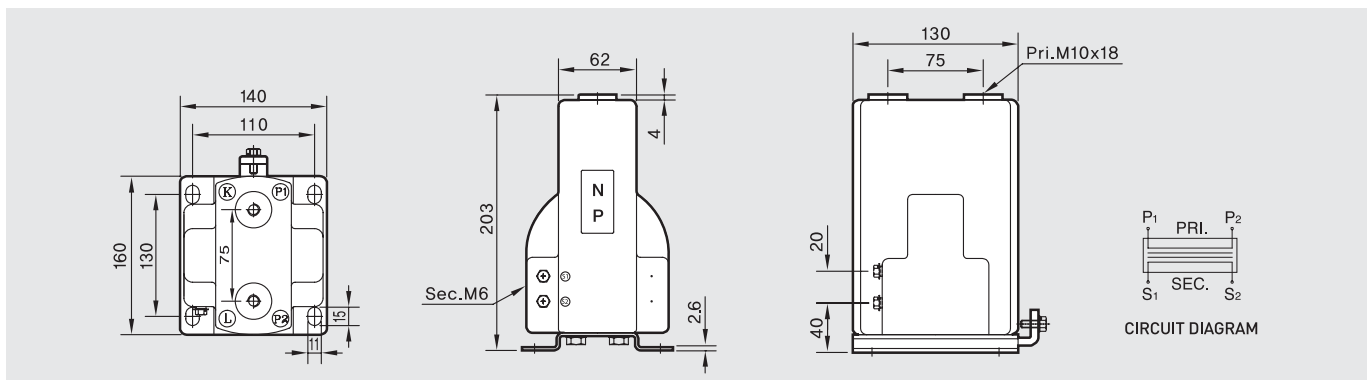
■ 계기용 / Measuring Application

Type	WS-62 or WS-62D	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	7.2kV	7.2kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	7.2 / 20 / 60kV
단시간 전류 / Short time Current Max.kA	40In (Max. 12.5kA/1sec)	
정격1차전류 / Rated Primary Current	5~300A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1.0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	
중량 / Weight(kg)	≈ 5.2	

■ 계전기용 / Relaying Application

Type	WS-62 or WS-62DR	
규격 / Standard	JEC 1201	IEC 61869-2
최고회로전압 / Max. Voltage	6.9kV	7.2kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV
단시간 전류 / Short time Current Max.kA	40In (Max. 12.5kA/1sec)	
정격1차전류 / Rated Primary Current	5~300A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15VA	
오차계급 / Accuracy Class	1P	5P or 10P
과전류 정수 / Over Current Factor	$n > 10$	$n > 10$
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In
주파수 / Frequency	60Hz (option : 50Hz)	
중량 / Weight(kg)	≈ 5.2	

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/Single	이중비/Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-62) (WS-62D)	40In	5/5~300/5	10-5/5~300-150/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 (OPTION)
	8kA	75/5~300/5	150-75/5~300-150/5								
	12.5kA	150/5~300/5	-								
	40In	5/5~300/5	10-5/5~300-150/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	150/5~300/5	150-75/5~300-150/5								
	12.5kA	300/5	-								
Relaying (WS-62R) (WS-62DR)	40In	5/5~300/5	10-5/5~300-150/5	-	-	1P	15VA	n>10	5P or 10P	15VA	n>10
	8kA	150/5~300/5	150-75/5~300-150/5								
	12.5kA	300/5	-								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-63(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~12kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

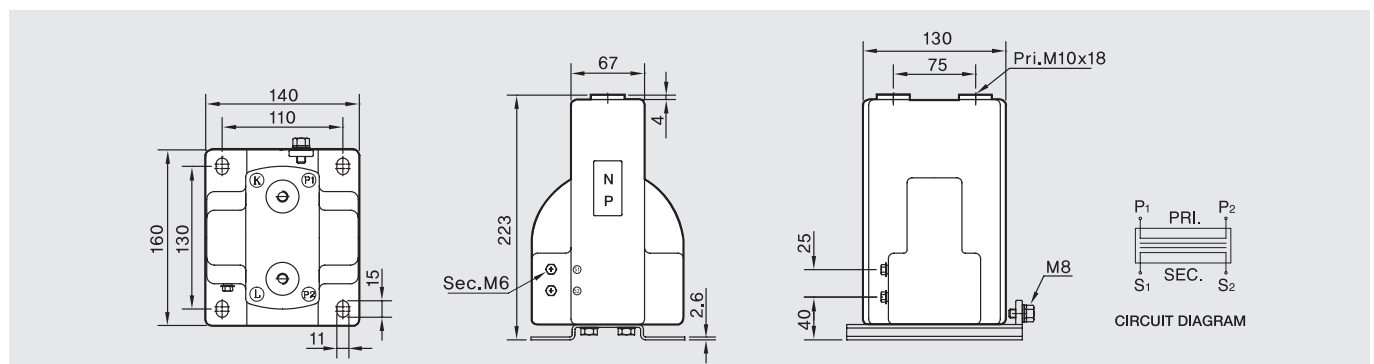
■ 계기용 / Measuring Application

Type	WS-63 or WS-63D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	11.5 / 28 / 95kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 25kA/1sec)			
정격1차전류 / Rated Primary Current	5~600A or 600 / 300A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 7.5			

■ 계전기용 / Relaying Application

Type	WS-63R or WS-63DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	11.5 / 28 / 95kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 25kA/1sec)			
정격1차전류 / Rated Primary Current	5~600A or 600 / 300A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n ≧ 10		n ≧ 10	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 7.5			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/Single	이중비/Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-63) (WS-63D)	40In	5/5~600/5	10-5/5~600-300/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	75In	5/5~600/5	10-5/5~600-300/5								
	8kA	50/5~600/5	100-50/5~600-300/5								
	40In	5/5~600/5	10-5/5~600-300/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	75In	5/5~600/5	10-5/5~600-300/5								
	8kA	100/5~600/5	200-100/5~600-300/5								
Relaying (WS-63R) (WS-63DR)	40In	5/5~600/5	10-5/5~600-300/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	200/5~600/5	200-100/5~600-300/5								
	40In	5/5~600/5	10-5/5~600-300/5	-	-	1P	40VA	n)10	5P or 10P	30VA	n)10
	8kA	200/5~600/5	200-100/5~600-300/5								
	40In	5/5~600/5	10-5/5~600-300/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	8kA	150/5~600/5	150-75/5~600-300/5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-64(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~12kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

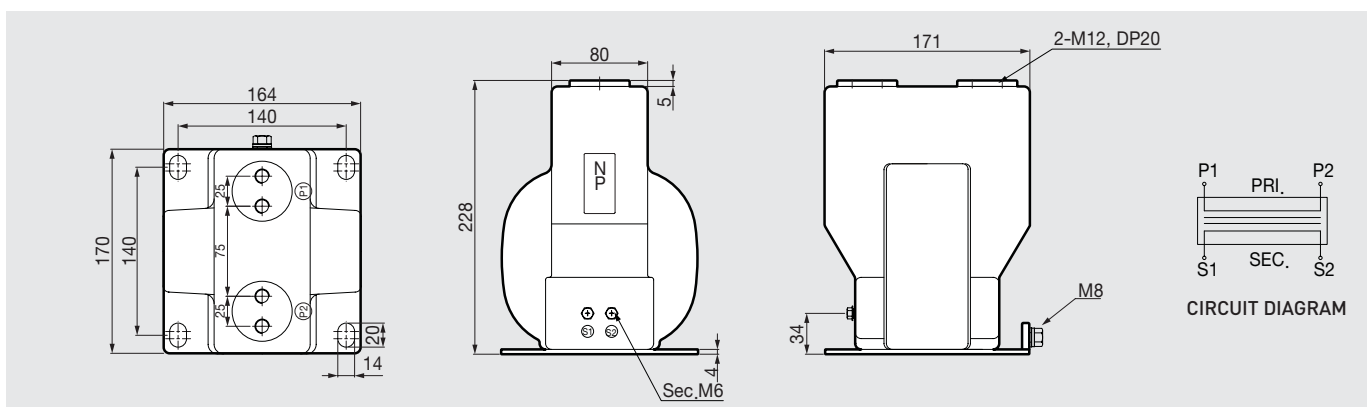
■ 계기용 / Measuring Application

Type	WS-64 or WS-64D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	11.5 / 28 / 95kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 40kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 계전기용 / Relaying Application

Type	WS-64R or WS-64DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	11.5 / 28 / 95kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 40kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/Single	이중비/Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-64) (WS-64D)	8kA	20/5~1500/5	40-20/5~1500-750/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	25/5~1500/5	50-25/5~1500-750/5								
	25kA	50/5~1500/5	100-50/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	30/5~1500/5	60-30/5~1500-750/5								
	12.5kA	40/5~1500/5	80-40/5~1500-750/5								
	25kA	75/5~1500/5	150-75/5~1500-750/5								
Relaying (WS-64R) (WS-64DR)	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~1500/5	20-10/5~1500-750/5								
	12.5kA	25/5~1500/5	30-15/5~1500-750/5								
	25kA	50/5~1500/5	50-25/5~1500-750/5	-	-	1P	40VA	n)10	5P or 10P	30VA	n)10
	75In	5/5~800/5	10-5/5~800-400/5								
	8kA	60/5~1500/5	60-30/5~1500-750/5								
	12.5kA	75/5~1500/5	80-40/5~1500-750/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	25kA	150/5~1500/5	150-75/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5								
	8kA	100/5~1500/5	100-50/5~1500-750/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	12.5kA	150/5~1500/5	150-75/5~1500-750/5								
	25kA	300/5~1500/5	300-150/5~1500-750/5								
2 Core Single Ratio C.T (2WS-64)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	12.5kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	25kA	120~1500/5-5	120-60/5-5~1500-750/5-5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-65(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

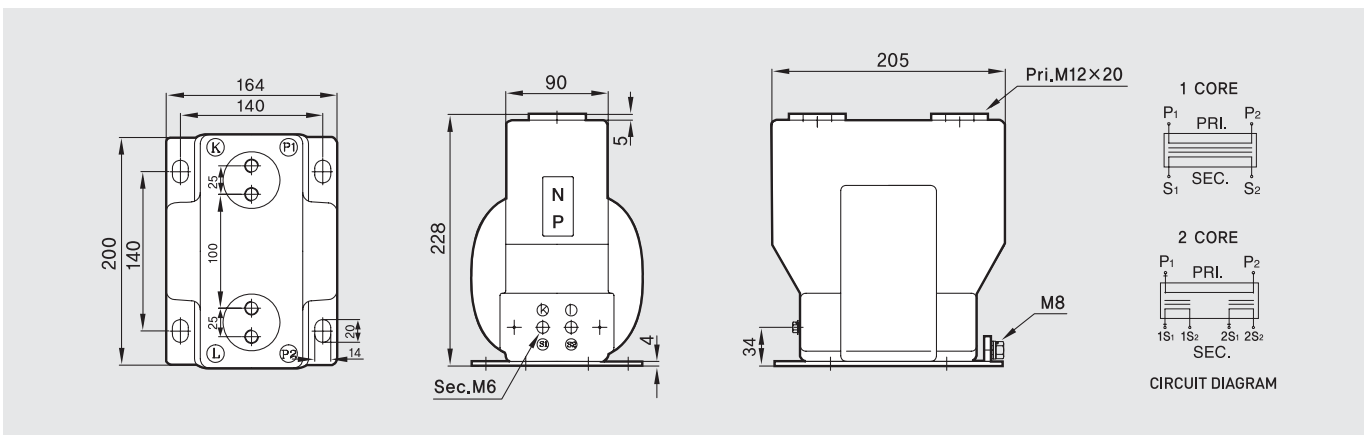
■ 계기용 / Measuring Application

Type	WS-65 or WS-65D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 계전기용 / Relaying Application

Type	WS-65R or WS-65DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-65) (WS-65D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~1500/5	20-10/5~1500-750/5								
	12.5kA	15/5~1500/5	30-15/5~1500-750/5								
	25kA	30/5~1500/5	60-30/5~1500-750/5								
	31.5kA	40/5~1500/5	80-40/5~1500-750/5								
	40kA	60/5~1500/5	120-60/5~1500-750/5								
	300In	5/5~200/5	10-5/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	15/5~1500/5	30-15/5~1500-750/5								
	12.5kA	25/5~1500/5	50-25/5~1500-750/5								
	25kA	60/5~1500/5	120-60/5~1500-750/5								
	31.5kA	75/5~1500/5	150-75/5~1500-750/5								
	40kA	120/5~1500/5	240-120/5~1500-750/5								
Relaying (WS-65R) (WS-65DR)	8kA	15/5~1500/5	20-10/5~1500-750/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	20/5~1500/5	20-10/5~1500-750/5								
	25kA	50/5~1500/5	50-25/5~1500-750/5								
	31.5kA	60/5~1500/5	60-30/5~1500-750/5								
	40kA	100/5~1500/5	100-50/5~1500-750/5								
	8kA	40/5~1500/5	40-20/5~1500-750/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	50/5~1500/5	50-25/5~1500-750/5								
	25kA	120/5~1500/5	120-60/5~1500-750/5								
	31.5kA	150/5~1500/5	150-75/5~1500-750/5								
	40kA	250/5~1500/5	250-125/5~1500-750/5								
	8kA	100/5~1500/5	100-50/5~1500-750/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	120/5~1500/5	120-60/5~1500-750/5								
	25kA	250/5~1500/5	250-125/5~1500-750/5								
	31.5kA	400/5~1500/5	400-200/5~1500-750/5								
	40kA	500/5~1500/5	500-250/5~1500-750/5								
2 Core Single Ratio C.T (2WS-65)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	8kA	30~1500/5-5	30-15/5-5~1500-750/5-5								
	12.5kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	25kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	31.5kA	200~1500/5-5	200-100/5-5~1500-750/5-5								
	40kA	200~1500/5-5	200-100/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	12.5kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	25kA	200~1500/5-5	200-100/5-5~1500-750/5-5								
	31.5kA	500~1500/5-5	500-250/5-5~1500-750/5-5								
	40kA	500~1500/5-5	500-250/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-641(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~12kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

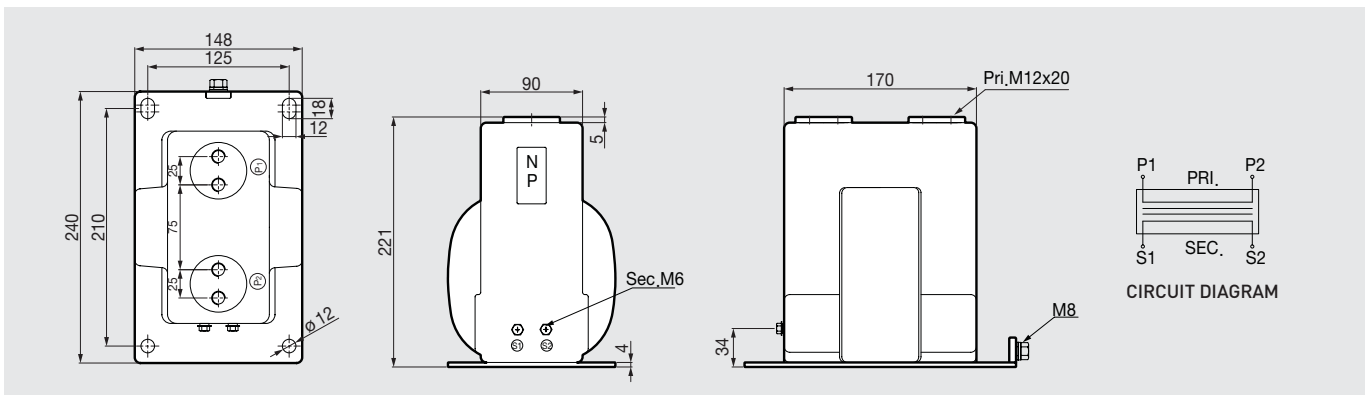
■ 계기용 / Measuring Application

Type	WS-641 or WS-641D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	11.5 / 28 / 95kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 40kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1,2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 계전기용 / Relaying Application

Type	WS-641R or WS-641DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	11.5kV	7.2kV	12kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	11.5 / 28 / 90kV(75kV)	7.2 / 20 / 60kV	12 / 28 / 75kV
단시간 전류 / Short time Current Max.kA	40In (Max. 40kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-641) (WS-641D)	8kA	20/5~1500/5	40-20/5~1500-750/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	25/5~1500/5	50-25/5~1500-750/5								
	25kA	50/5~1500/5	100-50/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	25/5~1500/5	50-25/5~1500-750/5								
	12.5kA	40/5~1500/5	80-40/5~1500-750/5								
Relaying (WS-641R) (WS-641DR)	25kA	75/5~1500/5	150-75/5~1500-750/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	150In	5/5~400/5	10-5/5~400-200/5								
	8kA	20/5~1500/5	20-10/5~1500-750/5								
	12.5kA	25/5~1500/5	30-15/5~1500-750/5								
	75In	5/5~800/5	10-5/5~800-400/5	-	-	1P	40VA	n)10	5P or 10P	30VA	n)10
	8kA	50/5~1500/5	50-25/5~1500-750/5								
	12.5kA	75/5~1500/5	80-40/5~1500-750/5								
	25kA	150/5~1500/5	150-75/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	8kA	100/5~1500/5	100-50/5~1500-750/5								
	12.5kA	150/5~1500/5	150-75/5~1500-750/5								
	25kA	300/5~1500/5	300-150/5~1500-750/5								
2 Core Single Ratio C.T (2WS-641)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	12.5kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	25kA	120~1500/5-5	120-60/5-5~1500-750/5-5								



WS-651(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징/Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

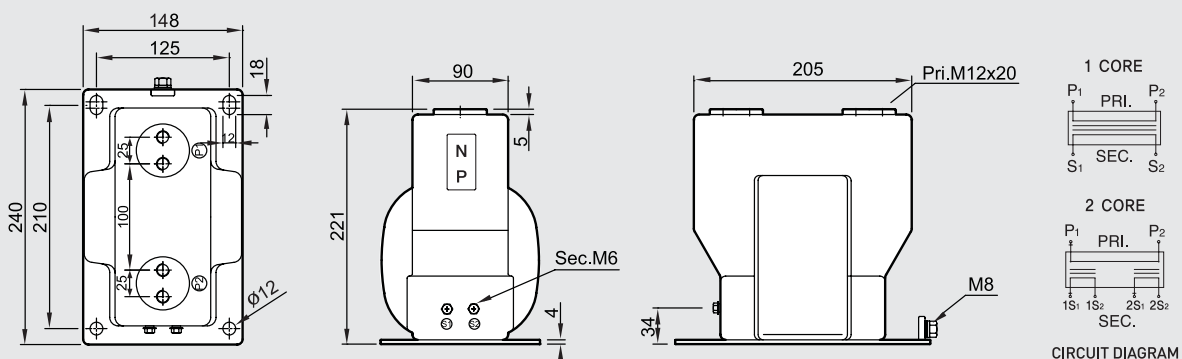
■ 계기용 / Measuring Application

Type	WS-651 or WS-651D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.25 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max, 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 계전기용 / Relaying Application

Type	WS-651R or WS-651DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.25 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 외형치수/ Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/ Single	이중비/ Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-651) (WS-651D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~1500/5	20-10/5~1500-750/5								
	12.5kA	15/5~1500/5	30-15/5~1500-750/5								
	25kA	25/5~1500/5	50-25/5~1500-750/5								
	31.5kA	40/5~1500/5	80-40/5~1500-750/5								
	40kA	75/5~1500/5	150-75/5~1500-750/5								
	300In	5/5~200/5	10-5/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	15/5~1500/5	30-15/5~1500-750/5								
	12.5kA	20/5~1500/5	40-20/5~1500-750/5								
	25kA	40/5~1500/5	80-40/5~1500-750/5								
	31.5kA	60/5~1500/5	120-60/5~1500-750/5								
	40kA	120/5~1500/5	240-120/5~1500-750/5								
Relaying (WS-651R) (WS-651DR)	8kA	10/5~1500/5	10-5/5~1500-750/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	15/5~1500/5	20-10/5~1500-750/5								
	25kA	30/5~1500/5	30-15/5~1500-750/5								
	31.5kA	50/5~1500/5	50-25/5~1500-750/5								
	8kA	40/5~1500/5	30-15/5~1500-750/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	40/5~1500/5	40-20/5~1500-750/5								
	25kA	80/5~1500/5	80-40/5~1500-750/5								
	31.5kA	120/5~1500/5	120-60/5~1500-750/5								
	8kA	60/5~1500/5	60-30/5~1500-750/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	100/5~1500/5	100-50/5~1500-750/5								
	25kA	200/5~1500/5	200-100/5~1500-750/5								
	31.5kA	250/5~1500/5	250-125/5~1500-750/5								
	40kA	500/5~1500/5	500-250/5~1500-750/5								
2 Core Single Ratio C.T (2WS-651)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	8kA	20~1500/5-5	20-10/5-5~1500-750/5-5								
	12.5kA	30~1500/5-5	30-15/5-5~1500-750/5-5								
	25kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	31.5kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	40kA	200~1500/5-5	200-100/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-251(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

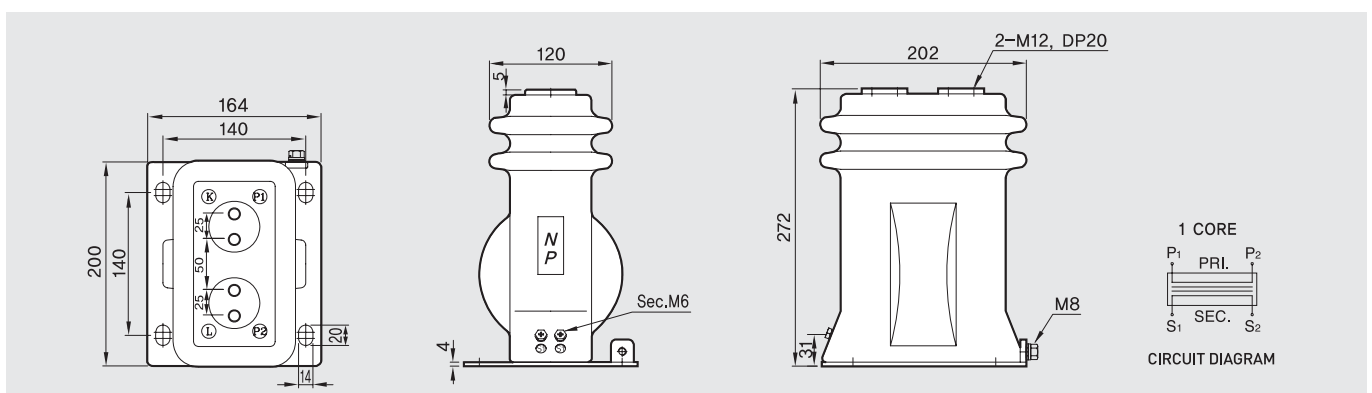
■ 계기용 / Measuring Application

Type	WS-251 or WS-251D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 10			

■ 계전기용 / Relaying Application

Type	WS-251R or WS-251DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 10			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-251) (WS-251D)	40In	5/5~1500/5	10-5/5~1500-750/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	75In	5/5~800/5	10-5/5~800-400/5								
	8kA	40/5~1500/5	80-40/5~1500-750/5								
	12.5kA	50/5~1500/5	100-50/5~1500-750/5								
	25kA	100/5~1500/5	200-100/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	75In	5/5~800/5	10-5/5~800-400/5								
	8kA	75/5~1500/5	150-75/5~1500-750/5								
	12.5kA	100/5~1500/5	200-100/5~1500-750/5								
	25kA	200/5~1500/5	400-200/5~1500-750/5								
Relaying (WS-251R) (WS-251DR)	40In	5/5~1500/5	10-5/5~1500-750/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	75/5~1500/5	80-40/5~1500-750/5								
	12.5kA	120/5~1500/5	120-60/5~1500-750/5								
	25kA	250/5~1500/5	250-125/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5	-	-	1P	40VA	n)10	5P or 10P	30VA	n)10
	8kA	200/5~1500/5	200-100/5~1500-750/5								
	12.5kA	300/5~1500/5	300-150/5~1500-750/5								
	25kA	600/5~1500/5	600-300/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	8kA	150/5~1500/5	150-75/5~1500-750/5								
	12.5kA	250/5~1500/5	250-125/5~1500-750/5								
	25kA	500/5~1500/5	500-250/5~1500-750/5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-252(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

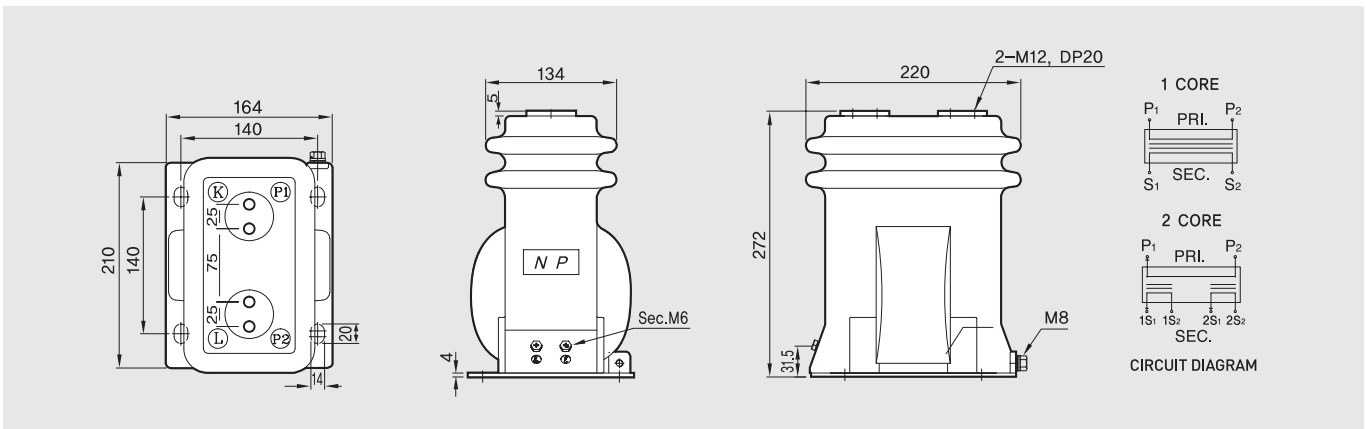
■ 계기용 / Measuring Application

Type	WS-252 or WS-252D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 계전기용 / Relaying Application

Type	WS-252R or WS-252DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 18			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-252) (WS-252D)	8kA	20/5~1500/5	40-20/5~1500-750/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	25/5~1500/5	50-25/5~1500-750/5								
	25kA	50/5~1500/5	100-50/5~1500-750/5								
	31.5kA	75/5~1500/5	150-75/5~1500-750/5								
	40kA	100/5~1500/5	200-100/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	25/5~1500/5	50-25/5~1500-750/5								
	12.5kA	40/5~1500/5	80-40/5~1500-750/5								
	25kA	75/5~1500/5	150-75/5~1500-750/5								
	31.5kA	100/5~1500/5	200-100/5~1500-750/5								
	40kA	150/5~1500/5	300-150/5~1500-750/5								
Relaying (WS-252R) (WS-252DR)	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~1500/5	20-10/5~1500-750/5								
	12.5kA	25/5~1500/5	30-15/5~1500-750/5								
	25kA	50/5~1500/5	50-25/5~1500-750/5								
	31.5kA	75/5~1500/5	80-40/5~1500-750/5								
	40kA	100/5~1500/5	100-50/5~1500-750/5	-	-	1P	40VA	n)10	5P or 10P	30VA	n)10
	75In	5/5~800/5	10-5/5~800-400/5								
	8kA	50/5~1500/5	50-25/5~1500-750/5								
	12.5kA	75/5~1500/5	80-40/5~1500-750/5								
	25kA	150/5~1500/5	150-75/5~1500-750/5								
	31.5kA	200/5~1500/5	200-100/5~1500-750/5	-	-	1P	15VA	n)20	5P or 10P	15VA	n)20
	40kA	250/5~1500/5	250-125/5~1500-750/5								
	40In	5/5~1500/5	10-5/5~1500-750/5								
	8kA	100/5~1500/5	100-50/5~1500-750/5								
	12.5kA	150/5~1500/5	150-75/5~1500-750/5								
	25kA	300/5~1500/5	300-150/5~1500-750/5								
	31.5kA	400/5~1500/5	400-200/5~1500-750/5								
	40kA	600/5~1500/5	600-300/5~1500-750/5								
2 Core Single Ratio C.T (2WS-252)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	12.5kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	25kA	120~1500/5-5	120-60/5-5~1500-750/5-5								
	31.5kA	150~1500/5-5	150-75/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40kA	250~1500/5-5	250-125/5-5~1500-750/5-5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	12.5kA	150~1500/5-5	150-75/5-5~1500-750/5-5								
	25kA	300~1500/5-5	300-150/5-5~1500-750/5-5								
	31.5kA	400~1500/5-5	400-200/5-5~1500-750/5-5								
	40kA	600~1500/5-5	600-300/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-254(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Optional : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

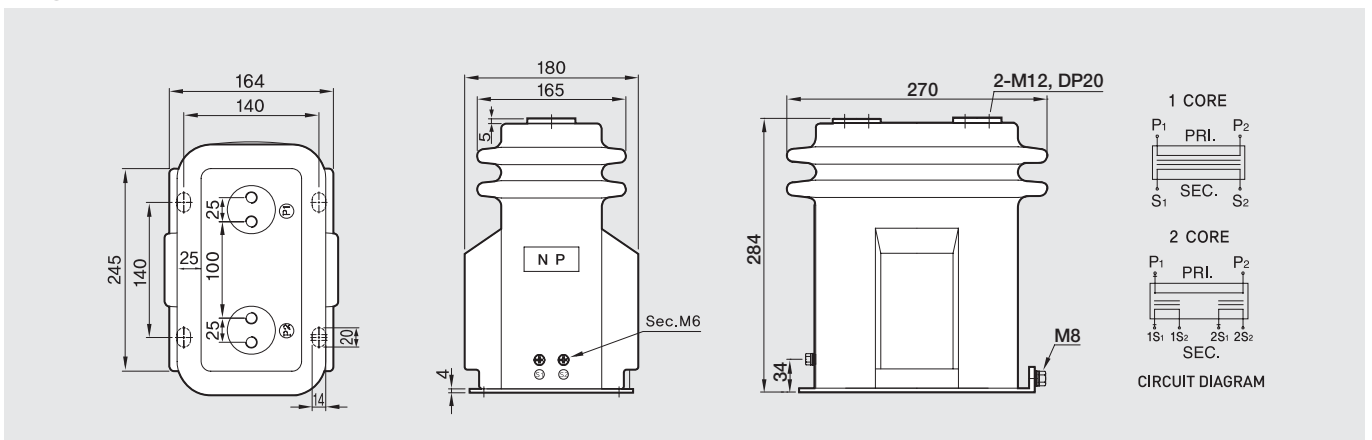
■ 계기용 / Measuring Application

Type	WS-254 or WS-254D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 26			

■ 계전기용 / Relaying Application

Type	WS-254R or WS-254DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 28			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-254) (WS-254D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~1500/5	20-10/5~1500-750/5								
	12.5kA	15/5~1500/5	30-15/5~1500-750/5								
	25kA	25/5~1500/5	50-25/5~1500-750/5								
	31.5kA	40/5~1500/5	80-40/5~1500-750/5								
	40kA	40/5~1500/5	80-40/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	300In	5/5~200/5	10-5/5~200-100/5								
	8kA	20/5~1500/5	40-20/5~1500-750/5								
	12.5kA	25/5~1500/5	50-25/5~1500-750/5								
	25kA	50/5~1500/5	100-50/5~1500-750/5								
	31.5kA	75/5~1500/5	150-75/5~1500-750/5								
Relaying (WS-254R) (WS-254DR)	40kA	75/5~1500/5	150-75/5~1500-750/5								
	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	15/5~1500/5	20-10/5~1500-750/5								
	12.5kA	25/5~1500/5	30-15/5~1500-750/5								
	25kA	50/5~1500/5	50-25/5~1500-750/5								
	31.5kA	75/5~1500/5	80-40/5~1500-750/5								
	40kA	75/5~1500/5	80-40/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	300In	10/5~200/5	10-5/5~200-100/5								
	8kA	30/5~1500/5	30-15/5~1500-750/5								
	12.5kA	50/5~1500/5	50-25/5~1500-750/5								
	25kA	100/5~1500/5	100-50/5~1500-750/5								
	31.5kA	150/5~1500/5	150-75/5~1500-750/5								
	40kA	150/5~1500/5	150-75/5~1500-750/5								
	75In	5/5~800/5	10-5/5~800-400/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	8kA	75/5~1500/5	80-40/5~1500-750/5								
	12.5kA	100/5~1500/5	100-50/5~1500-750/5								
	25kA	200/5~1500/5	200-100/5~1500-750/5								
	31.5kA	300/5~1500/5	300-150/5~1500-750/5								
	40kA	300/5~1500/5	300-150/5~1500-750/5								
2 Core Single Ratio C.T (2WS-254)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	8kA	30~1500/5-5	30-15/5-5~1500-750/5-5								
	12.5kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	25kA	75~1500/5-5	80-40/5-5~1500-750/5-5								
	31.5kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	40kA	100~1500/5-5	100-50/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	8kA	60~1500/5-5	60-30/5-5~1500-750/5-5								
	12.5kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	25kA	200~1500/5-5	200-100/5-5~1500-750/5-5								
	31.5kA	250~1500/5-5	250-125/5-5~1500-750/5-5								
	40kA	250~1500/5-5	200-125/5-5~1500-750/5-5								

F

MV CT



WS-255(R)(S)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징/Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

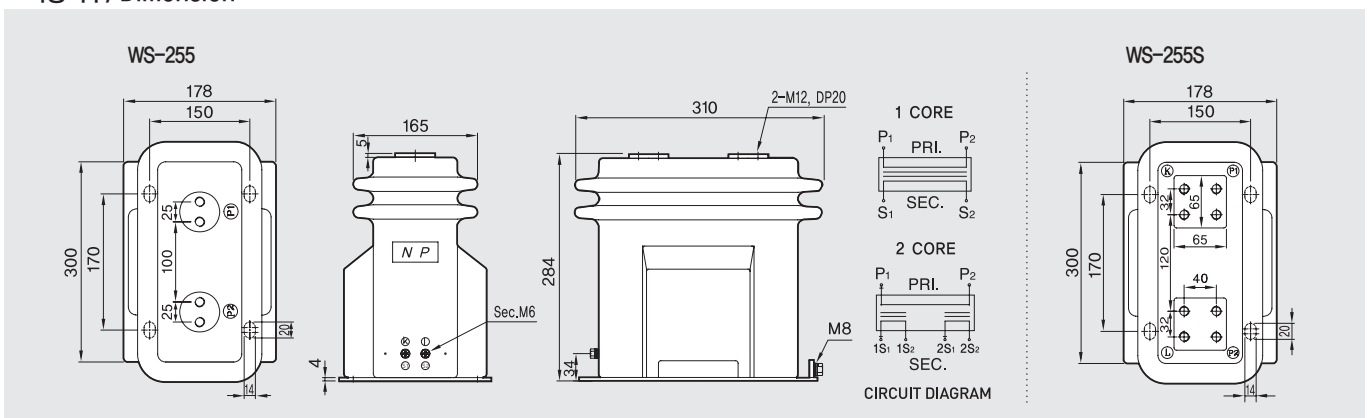
■ 계기용 / Measuring Application

Type	WS-255 or WS-255D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 30			

■ 계전기용 / Relaying Application

Type	WS-255R or WS-255DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1,1In		1,2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 30			

■ 외형치수/ Dimension



※ 1차전류 2000A(다른 변류비도 가능)는 사각 1차단자를 사용합니다. (Type : WS-255S)

※ The square terminal is used for Primary Current 2000A(Other ratio is available by order). (Type : WS-255S)

■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-255) (WS-255D)	8kA	10/5~3200/5	20-10/5~3200-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	25kA	25/5~3200/5	50-25/5~3200-1000/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1000/5								
	40kA	50/5~3200/5	100-50/5~3200-1000/5								
Relaying (WS-255R) (WS-255DR)	8kA	10/5~3200/5	10-5/5~3200-1000/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	15/5~3200/5	20-10/5~3200-1000/5								
	25kA	25/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	40/5~3200/5	40-20/5~3200-1000/5								
	40kA	50/5~3200/5	50-25/5~3200-1000/5								
	8kA	30/5~3200/5	20-10/5~3200-1000/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	20/5~3200/5	30-15/5~3200-1000/5								
	25kA	40/5~3200/5	40-20/5~3200-1000/5								
	31.5kA	75/5~3200/5	80-40/5~3200-1000/5								
	40kA	100/5~3200/5	100-50/5~3200-1000/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	300In	5/5~200/5	10-5/5~200-100/5								
	8kA	40/5~3200/5	40-20/5~3200-1000/5								
	12.5kA	50/5~3200/5	50-25/5~3200-1000/5								
	25kA	100/5~3200/5	100-50/5~3200-1000/5								
	31.5kA	150/5~3200/5	150-75/5~3200-1000/5								
	40kA	200/5~3200/5	200-100/5~3200-1000/5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5			1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	10~3200/5-5	10-5/5-5~3200-1000/5-5								
2 Core Single Ratio C.T (2WS-255)	12.5kA	15~3200/5-5	20-10/5-5~3200-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	25kA	25~3200/5-5	30-15/5-5~3200-1000/5-5								
	31.5kA	40~3200/5-5	40-20/5-5~3200-1000/5-5								
	40kA	50~3200/5-5	50-25/5-5~3200-1000/5-5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	20~3200/5-5	20-10/5-5~3200-1000/5-5								
	12.5kA	25~3200/5-5	30-15/5-5~3200-1000/5-5								
	25kA	50~3200/5-5	50-25/5-5~3200-1000/5-5								
	31.5kA	75~3200/5-5	80-40/5-5~3200-1000/5-5								
	40kA	100~3200/5-5	100-50/5-5~3200-1000/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-256(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

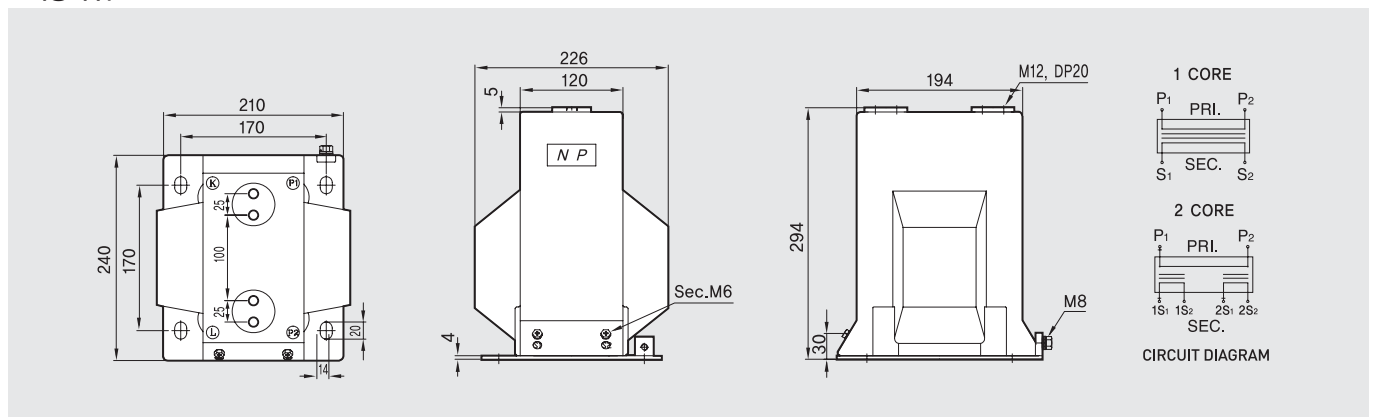
■ 계기용 / Measuring Application

Type	WS-256 or WS-256D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 28			

■ 계전기용 / Relaying Application

Type	WS-256R or WS-256DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~1500A or 1500 / 750A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 28			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-256) (WS-256D)	12.5kA	10/5~1500/5	20-10/5~1500-750/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	25kA	15/5~1500/5	30-15/5~1500-750/5								
	31.5kA	15/5~1500/5	30-15/5~1500-750/5								
	40kA	20/5~1500/5	40-20/5~1500-750/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	25kA	20/5~1500/5	40-20/5~1500-750/5								
	31.5kA	25/5~1500/5	50-25/5~1500-750/5								
Relaying (WS-256R) (WS-256DR) (WS-256R)	40kA	40/5~1500/5	80-40/5~1500-750/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	10/5~1500/5	10-5/5~1500-750/5								
	25kA	15/5~1500/5	20-10/5~1500-750/5								
	31.5kA	20/5~1500/5	20-10/5~1500-750/5								
	25kA	40/5~1500/5	40-20/5~1500-750/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	31.5kA	50/5~1500/5	50-25/5~1500-750/5								
	40kA	75/5~1500/5	80-40/5~1500-750/5								
	25kA	100/5~1500/5	100-50/5~1500-750/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	31.5kA	120/5~1500/5	120-60/5~1500-750/5								
2 Core Single Ratio C.T (2WS-256)	40kA	150/5~1500/5	150-75/5~1500-750/5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	20~1500/5-5	20-10/5-5~1500-750/5-5								
	12.5kA	25~1500/5-5	30-15/5-5~1500-750/5-5								
	25kA	50~1500/5-5	50-25/5-5~1500-750/5-5								
	31.5kA	50~1500/5-5	50-25/5-5~1500-750/5-5								
	40kA	75~1500/5-5	80-40/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	8kA	40~1500/5-5	40-20/5-5~1500-750/5-5								
	12.5kA	50~1500/5-5	50-25/5-5~1500-750/5-5								
	25kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	31.5kA	120~1500/5-5	120-60/5-5~1500-750/5-5								
	40kA	150~1500/5-5	150-75/5-5~1500-750/5-5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30	n)20
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	8kA	75~1500/5-5	80-40/5-5~1500-750/5-5								
	12.5kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	25kA	200~1500/5-5	200-100/5-5~1500-750/5-5								
	31.5kA	250~1500/5-5	250-125/5-5~1500-750/5-5								
	40kA	300~1500/5-5	300-150/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-261(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

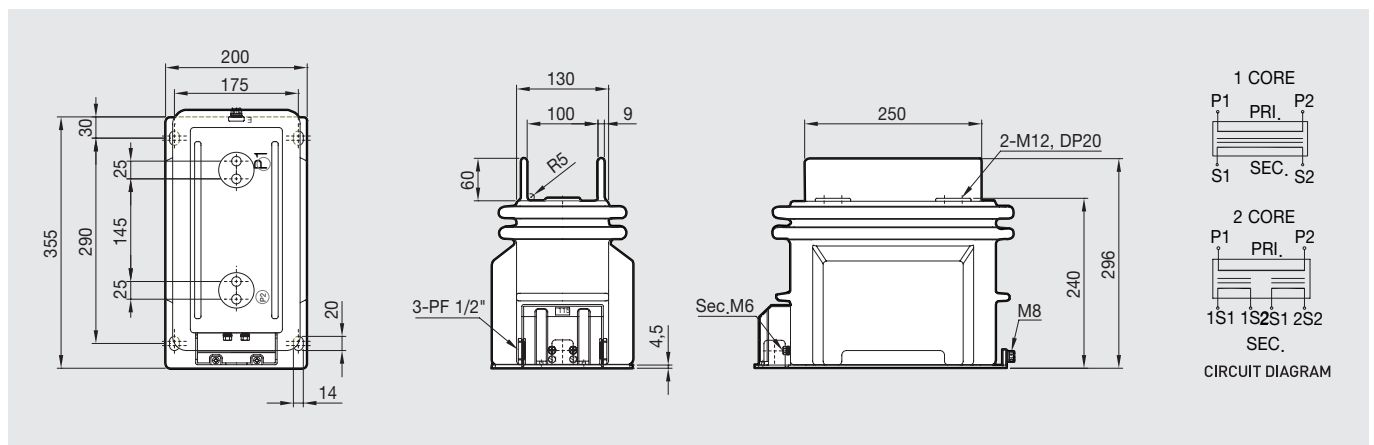
■ 계기용 / Measuring Application

Type	WS-261(W) or WS-261(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11,5kV	25,8kV	12kV	24kV
절연계급 / Insulation Level	11,5/28/95kV(75kV)	25,8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0,5 or 1,0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1,2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 계전기용 / Relaying Application

Type	WS-261(W)R or WS-261(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n ≧ 10 or n ≧ 20		n ≧ 10 or n ≧ 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-261) (WS-261D)	8kA	10/5~3200/5	20-10/5~3200-1000/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	10/5~3200/5	20-10/5~3200-1000/5								
	25kA	15/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	40kA	20/5~3200/5	40-20/5~3200-1000/5								
	8kA	10/5~3200/5	20-10/5~3200-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	25kA	25/5~3200/5	50-25/5~3200-1000/5								
	31.5kA	25/5~3200/5	50-25/5~3200-1000/5								
	40kA	40/5~3200/5	80-40/5~3200-1000/5								
Relaying (WS-261R) (WS-261DR)	8kA	15/5~3200/5	30-15/5~3200-1000/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	20/5~3200/5	40-20/5~3200-1000/5								
	25kA	20/5~3200/5	40-20/5~3200-1000/5								
	31.5kA	20/5~3200/5	40-20/5~3200-1000/5								
	40kA	30/5~3200/5	60-30/5~3200-1000/5								
	8kA	30/5~3200/5	60-30/5~3200-1000/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	40/5~3200/5	80-40/5~3200-1000/5								
	25kA	40/5~3200/5	80-40/5~3200-1000/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1000/5								
	40kA	60/5~3200/5	120-60/5~3200-1000/5								
	8kA	50/5~3200/5	100-50/5~3200-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	60/5~3200/5	120-60/5~3200-1000/5								
	25kA	60/5~3200/5	120-60/5~3200-1000/5								
	31.5kA	75/5~3200/5	150-75/5~3200-1000/5								
	40kA	120/5~3200/5	250-120/5~3200-1000/5								
2 Core Single Ratio C.T (2WS-261)	40In	5~150/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	25~3200/5-5	50-25/5-5~3200-1600/5-5								
	12.5kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	25kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	31.5kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	40kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	10~400/5-5	20-10/5-5~400-200/5-5								
	8kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	12.5kA	70~3200/5-5	150-75/5-5~3200-1600/5-5								
	25kA	70~3200/5-5	150-75/5-5~3200-1600/5-5								
	31.5kA	80~3200/5-5	200-100/5-5~3200-1600/5-5								
	40kA	120~3200/5-5	250-125/5-5~3200-1600/5-5								
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30	n)20
	8kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	12.5kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	25kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	31.5kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	250~1500/5-5	500-250/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-285(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

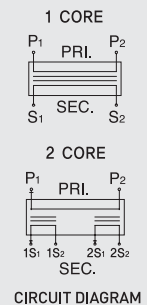
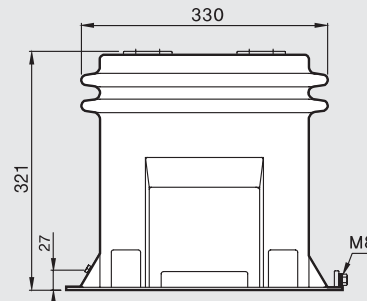
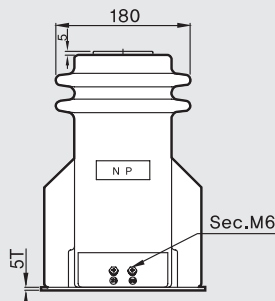
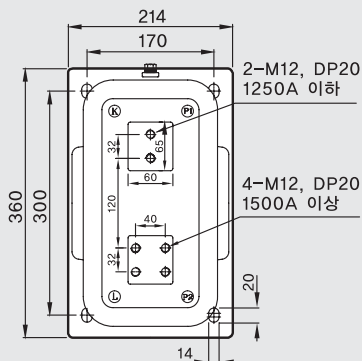
■ 계기용 / Measuring Application

Type	WS-285 or WS-285D				
규격 / Standard	KS C 1706		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In				
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 계전기용 / Relaying Application

Type	WS-285R or WS-285DR				
규격 / Standard	JEC 1201		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	1P		5P or 10P		
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20		
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In		
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-285) (WS-285D)	8kA	5/5~3200/5	10-5/5~3200-1000/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	10/5~3200/5	20-10/5~3200-1000/5								
	25kA	15/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	40kA	20/5~3200/5	20-10/5~3200-1000/5								
	8kA	10/5~3200/5	20-10/5~3200-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	25kA	25/5~3200/5	50-25/5~3200-1000/5								
	31.5kA	25/5~3200/5	50-25/5~3200-1000/5								
	40kA	40/5~3200/5	80-40/5~3200-1000/5								
Relaying (WS-285R) (WS-285DR)	8kA	5/5~3200/5	10-5/5~3200-1000/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	10/5~3200/5	10-5/5~3200-1000/5								
	25kA	15/5~3200/5	20-10/5~3200-1000/5								
	31.5kA	20/5~3200/5	20-10/5~3200-1000/5								
	40kA	30/5~3200/5	30-15/5~3200-1000/5								
	8kA	10/5~3200/5	10-5/5~3200-1000/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	15/5~3200/5	20-10/5~3200-1000/5								
	25kA	30/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	40/5~3200/5	40-20/5~3200-1000/5								
	40kA	60/5~3200/5	60-30/5~3200-1000/5								
	8kA	20/5~3200/5	20-10/5~3200-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	30/5~3200/5	30-15/5~3200-1000/5								
	25kA	60/5~3200/5	60-30/5~3200-1000/5								
	31.5kA	75/5~3200/5	80-40/5~3200-1000/5								
	40kA	120/5~3200/5	120-60/5~3200-1000/5								
2 Core Single Ratio C.T (2WS-285)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	10~3200/5-5	10-5/5-5~3200-1000/5-5								
	12.5kA	15~3200/5-5	10-5/5-5~3200-1000/5-5								
	25kA	25~3200/5-5	20-10/5-5~3200-1000/5-5								
	31.5kA	30~3200/5-5	30-15/5-5~3200-1000/5-5								
	40kA	45~3200/5-5	40-20/5-5~3200-1000/5-5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	15~3200/5-5	10-5/5-5~3200-1000/5-5								
	12.5kA	30~3200/5-5	20-10/5-5~3200-1000/5-5								
	25kA	60~3200/5-5	30-15/5-5~3200-1000/5-5								
	31.5kA	75~3200/5-5	40-20/5-5~3200-1000/5-5								
	40kA	115~3200/5-5	50-25/5-5~3200-1000/5-5								
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30	n)20
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	10-5/5-5~200-100/5-5								
	8kA	30~3200/5-5	20-10/5-5~3200-1000/5-5								
	12.5kA	60~3200/5-5	30-15/5-5~3200-1000/5-5								
	25kA	115~3200/5-5	50-25/5-5~3200-1000/5-5								
	31.5kA	150~3200/5-5	80-40/5-5~3200-1000/5-5								
	40kA	225~1500/5-5	100-50/5-5~3200-1000/5-5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-286(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ C-GIS용 최고회로전압 40.5kV 가능합니다. (Up to 40.5kV C-GIS)

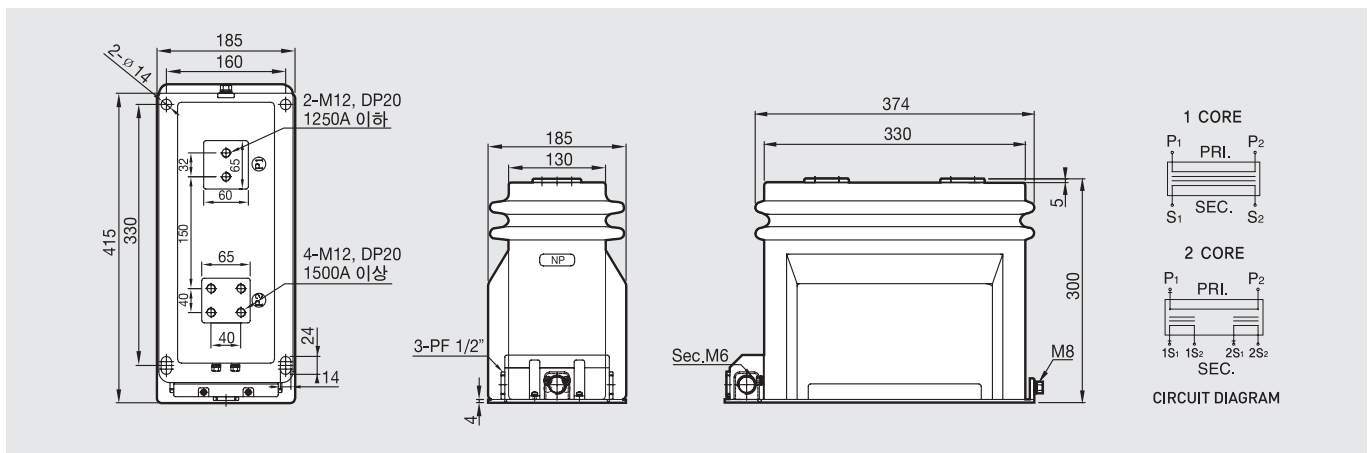
■ 계기용 / Measuring Application

Type	WS-286 or WS-286D				
규격 / Standard	KS C 1706		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In				
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 계전기용 / Relaying Application

Type	WS-286R or 286DR				
규격 / Standard	JEC 1201		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	1P		5P or 10P		
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20		
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In		
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비 (Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-286) (WS-286D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~3200/5	20-10/5~3200-1600/5								
	12.5kA	15/5~3200/5	30-15/5~3200-1600/5								
	25kA	20/5~3200/5	40-20/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
Relaying (WS-286R) (WS-286DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	10/5~3200/5	20-10/5~3200-1600/5								
	12.5kA	15/5~3200/5	30-15/5~3200-1600/5								
	25kA	20/5~3200/5	40-20/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
	8kA	25/5~3200/5	50-25/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	100/5~3200/5	200-100/5~3200-1600/5								
	40kA	100/5~3200/5	200-100/5~3200-1600/5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	20~3200/5-5	40-20/5-5~3200-1600/5-5								
	12.5kA	30~3200/5-5	60-30/5-5~3200-1600/5-5								
	25kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	31.5kA	80~3200/5-5	160-80/5-5~3200-1600/5-5								
	40kA	80~3200/5-5	160-80/5-5~3200-1600/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	50~3200/5-5	100-50/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	12.5kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	25kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	31.5kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-287(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

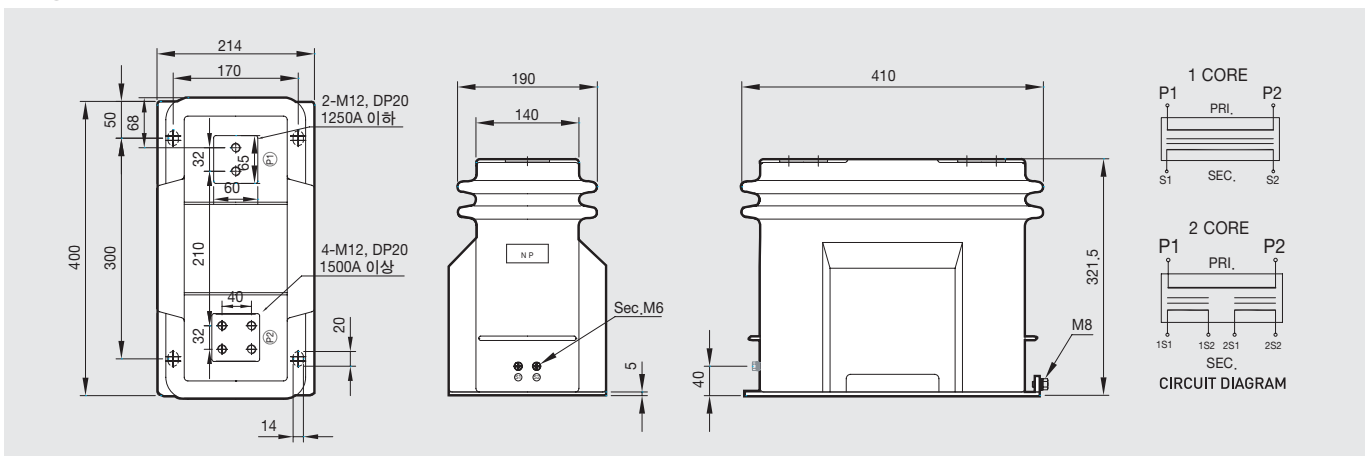
■ 계기용 / Measuring Application

Type	WS-287 or WS-287D				
규격 / Standard	KS C 1706		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In				
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 계전기용 / Relaying Application

Type	WS-287R or WS-287DR				
규격 / Standard	JEC 1201		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	1P		5P or 10P		
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20		
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In		
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 48				

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-287) (WS-287D)	8kA	5/5~3200/5	10-5/5~3200-1000/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	5/5~3200/5	10-5/5~3200-1000/5								
	25kA	10/5~3200/5	20-10/5~3200-1000/5								
	31.5kA	15/5~3200/5	30-15/5~3200-1000/5								
	40kA	20/5~3200/5	40-20/5~3200-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	8kA	5/5~3200/5	10-5/5~3200-1000/5								
	12.5kA	10/5~3200/5	20-10/5~3200-1000/5								
	25kA	15/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	25/5~3200/5	50-25/5~3200-1000/5								
	40kA	40/5~3200/5	80-40/5~3200-1000/5								
Relaying (WS-287R) (WS-287DR)	8kA	5/5~3200/5	10-5/5~3200-1000/5	-	-	1P	15VA	n)10 10/5	5P or 10P	15VA	n)10
	12.5kA	5/5~3200/5	10-5/5~3200-1000/5								
	25kA	10/5~3200/5	10-5/5~3200-1000/5								
	31.5kA	15/5~3200/5	20-10/5~3200-1000/5								
	40kA	20/5~3200/5	20-10/5~3200-1000/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	5/5~3200/5	10-5/5~3200-1000/5								
	12.5kA	10/5~3200/5	10-5/5~3200-1000/5								
	25kA	15/5~3200/5	20-10/5~3200-1000/5								
	31.5kA	25/5~3200/5	30-15/5~3200-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	40kA	40/5~3200/5	40-20/5~3200-1000/5								
	8kA	15/5~3200/5	20-10/5~3200-1000/5								
	12.5kA	20/5~3200/5	20-10/5~3200-1000/5								
	25kA	30/5~3200/5	30-15/5~3200-1000/5								
	31.5kA	50/5~3200/5	50-25/5~3200-1000/5								
	40kA	75/5~3200/5	80-40/5~3200-1000/5								
2 Core Single Ratio C.T (2WS-287)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	10~3200/5-5	10-5/5-5~3200-1000/5-5								
	12.5kA	10~3200/5-5	10-5/5-5~3200-1000/5-5								
	25kA	20~3200/5-5	20-10/5-5~3200-1000/5-5								
	31.5kA	25~3200/5-5	30-15/5-5~3200-1000/5-5								
	40kA	40~3200/5-5	40-20/5-5~3200-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	10~3200/5-5	10-5/5-5~3200-1000/5-5								
	12.5kA	15~3200/5-5	20-10/5-5~3200-1000/5-5								
	25kA	25~3200/5-5	30-15/5-5~3200-1000/5-5								
	31.5kA	40~3200/5-5	40-20/5-5~3200-1000/5-5								
	40kA	50~3200/5-5	50-25/5-5~3200-1000/5-5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30	n)20
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	20~3200/5-5	20-10/5-5~3200-1000/5-5								
	12.5kA	25~3200/5-5	30-15/5-5~3200-1000/5-5								
	25kA	50~3200/5-5	50-25/5-5~3200-1000/5-5								
	31.5kA	75~3200/5-5	80-40/5-5~3200-1000/5-5								
	40kA	100~3200/5-5	100-50/5-5~3200-1000/5-5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-270(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 24~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Optional : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

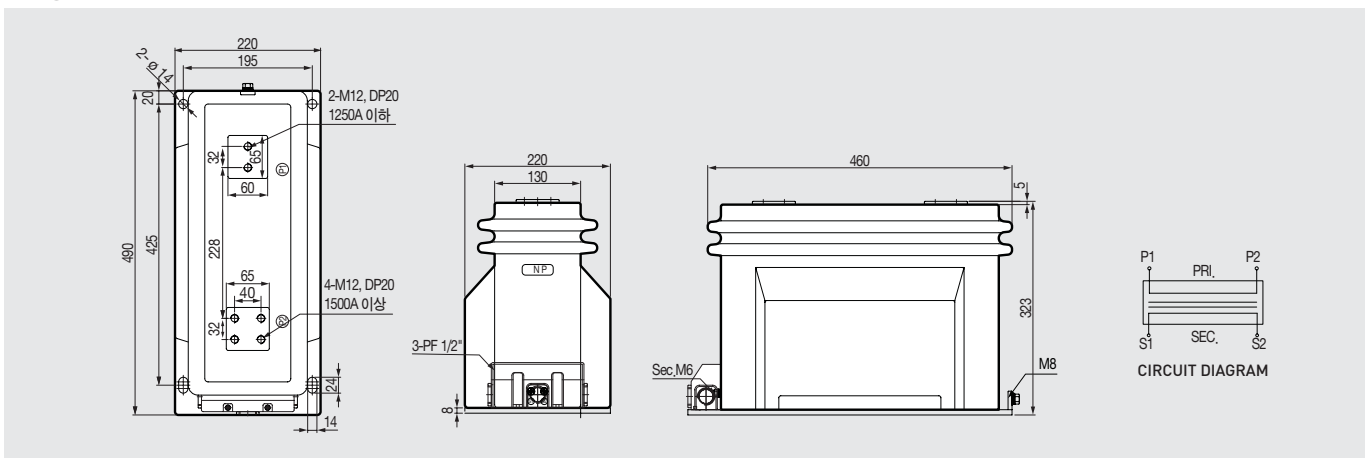
■ 계기용 / Measuring Application

Type	WS-270 or WS-270D				
규격 / Standard	KS C 1706		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In				
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 75				

■ 계전기용 / Relaying Application

Type	WS-270R or WS-270DR				
규격 / Standard	JEC 1201		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	1P		5P or 10P		
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20		
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In		
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 70				

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/Single	이중비/Double	Class	Burden	Class	Burden	n)	Class	Burden	n)
Measuring (WS-270) (WS-270D)	8kA	10~3200/5	20-10/5~3200-1600/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	10~3200/5	20-10/5~3200-1600/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
Relaying (WS-270R) (WS-270DR)	8kA	10~3200/5	20-10/5~3200-1600/5	-	-	1P	15VA	n)10 10/5	5P or 10P	15VA	n)10
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	10~3200/5	20-10/5~3200-1600/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	15~3200/5	30-15/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	20~3200/5	40-20/5~3200-1600/5								
	25kA	30~3200/5	60-30/5~3200-1600/5								
	31.5kA	60~3200/5	120-60/5~3200-1600/5								
	40kA	60~3200/5	120-60/5~3200-1600/5								
2 Core Single Ratio C.T (2WS-270)	40In	10~1500/5	20-10/5~1500-750/5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	10~800/5	20-10/5~800-400/5								
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	10~3200/5	20-10/5~3200-1600/5								
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	40In	10~1500/5	20-10/5~1500-750/5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	75In	10~800/5	20-10/5~800-400/5								
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	20~3200/5	40-20/5~3200-1600/5								
	12.5kA	30~3200/5	60-30/5~3200-1600/5								
	25kA	40~3200/5	80-40/5~3200-1600/5								
	31.5kA	80~3200/5	80-40/5~3200-1600/5								
	40kA	80~3200/5	80-40/5~3200-1600/5								
	40In	10~1500/5	20-10/5~1500-750/5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30 40/40	n)20
	75In	10~800/5	20-10/5~800-400/5								
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	20~3200/5	40-20/5~3200-1600/5								
	12.5kA	30~3200/5	60-30/5~3200-1600/5								
	25kA	50~3200/5	100-50/5~3200-1600/5								
	31.5kA	100~3200/5	200-100/5~3200-1600/5								
	40kA	100~3200/5	200-100/5~3200-1600/5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer

**WS-272(R)**

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 24~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

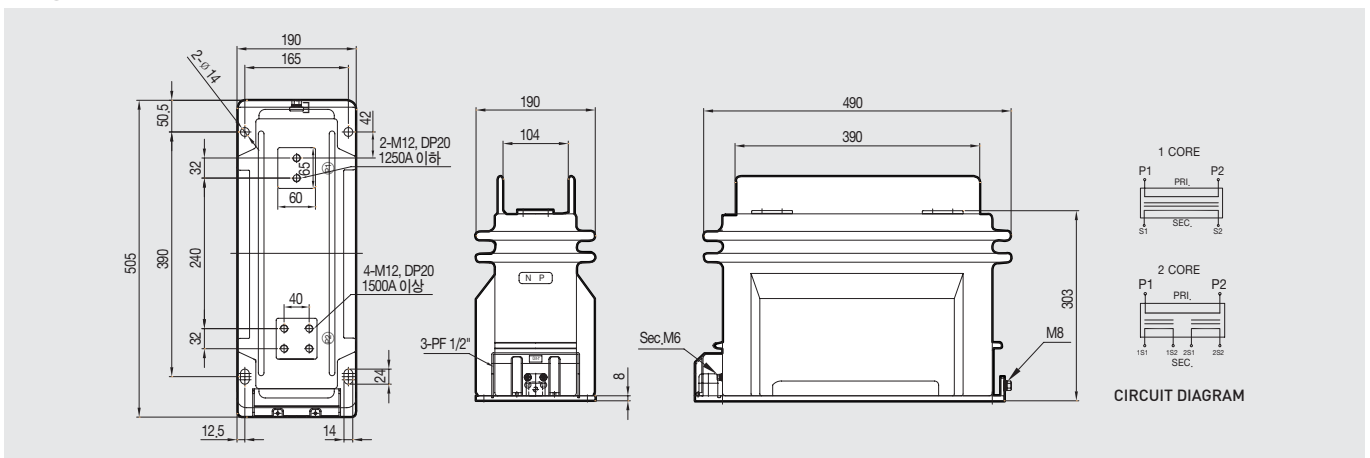
■ 계기용 / Measuring Application

Type	WS-272 or WS-272D				
규격 / Standard	KS C 1706		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In				
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 70				

■ 계전기용 / Relaying Application

Type	WS-272R or WS-272DR				
규격 / Standard	JEC 1201		IEC 61869-2		
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV	36kV
절연계급 / Insulation Level	11.5/28/90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)				
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하				
정격2차전류 / Rated Secondary Current	5 or 1A				
정격부담 / Rated Burden	15 or 40VA				
오차계급 / Accuracy Class	1P		5P or 10P		
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20		
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In		
주파수 / Frequency	60Hz (option : 50Hz)				
중량 / Weight(kg)	≒ 70				

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비/Single	이중비/Double	Class	Burden	Class	Burden	n)	Class	Burden	n)
Measuring (WS-272) (WS-272D)	8kA	10~3200/5	20-10/5~3200-1600/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	10~3200/5	20-10/5~3200-1600/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
Relaying (WS-272R) (WS-272DR)	8kA	10~3200/5	20-10/5~3200-1600/5	-	-	1P	15VA	n)10 10/5	5P or 10P	15VA	n)10
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	10~3200/5	20-10/5~3200-1600/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	15~3200/5	30-15/5~3200-1600/5								
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	8kA	15~3200/5	30-15/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	20~3200/5	40-20/5~3200-1600/5								
	25kA	30~3200/5	60-30/5~3200-1600/5								
	31.5kA	60~3200/5	120-60/5~3200-1600/5								
	40kA	60~3200/5	120-60/5~3200-1600/5								
2 Core Single Ratio C.T (2WS-272)	40In	10~1500/5	20-10/5~1500-750/5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	10~800/5	20-10/5~800-400/5								
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	10~3200/5	20-10/5~3200-1600/5								
	12.5kA	15~3200/5	30-15/5~3200-1600/5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	25kA	20~3200/5	40-20/5~3200-1600/5								
	31.5kA	40~3200/5	80-40/5~3200-1600/5								
	40kA	40~3200/5	80-40/5~3200-1600/5								
	40In	10~1500/5	20-10/5~1500-750/5								
	75In	10~800/5	20-10/5~800-400/5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30 40/40	n)20
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	20~3200/5	40-20/5~3200-1600/5								
	12.5kA	30~3200/5	60-30/5~3200-1600/5								
	25kA	40~3200/5	80-40/5~3200-1600/5								
	31.5kA	80~3200/5	80-40/5~3200-1600/5								
	40kA	80~3200/5	80-40/5~3200-1600/5								
	40In	10~1500/5	20-10/5~1500-750/5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30 40/40	n)20
	75In	10~800/5	20-10/5~800-400/5								
	150In	10~400/5	20-10/5~400-200/5								
	300In	10~200/5	20-10/5~200-100/5								
	8kA	20~3200/5	40-20/5~3200-1600/5								
	12.5kA	30~3200/5	60-30/5~3200-1600/5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30 40/40	n)20
	25kA	50~3200/5	100-50/5~3200-1600/5								
	31.5kA	100~3200/5	200-100/5~3200-1600/5								
	40kA	100~3200/5	200-100/5~3200-1600/5								
	40kA	100~3200/5	200-100/5~3200-1600/5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-361(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 24~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

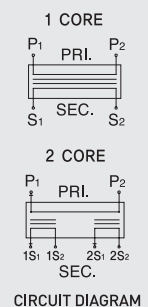
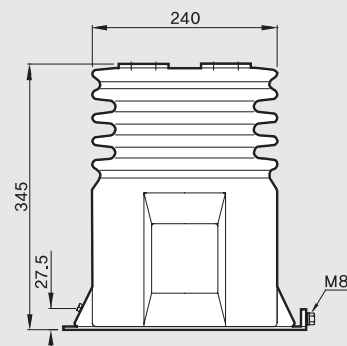
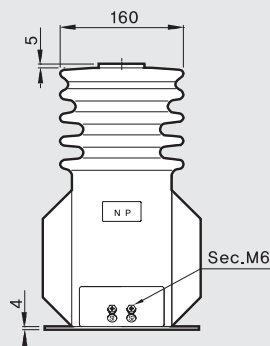
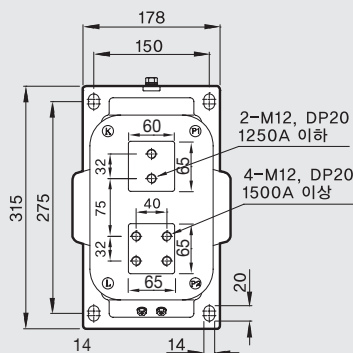
■ 계기용 / Measuring Application

Type	WS-361 or WS-361D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	25,8kV	34,5kV	24kV	36kV
절연계급 / Insulation Level	25,8 / 50 / 150kV	34,5 / 70 / 200kV(170kV)	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max, 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~2000A or 2000 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0,5 or 1,0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1,2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 32			

■ 계전기용 / Relaying Application

Type	WS-361R or WS-361DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	23kV	34.5kV	24kV	36kV
절연계급 / Insulation Level	23 / 50 / 150kV	34.5 / 70 / 200kV(170kV)	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~2000A or 2000 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 32			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-361) (WS-361D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~1500/5	20-10/5~1500-750/5								
	12.5kA	15/5~1500/5	30-15/5~1500-750/5								
	25kA	25/5~1500/5	50-25/5~1500-750/5								
	31.5kA	40/5~1500/5	80-40/5~1500-750/5								
	40kA	50/5~1500/5	100-50/5~1500-750/5								
	150In	5/5~400/5	10-5/5~400-200/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	300In	5/5~200/5	10-5/5~200-100/5								
	8kA	15/5~1500/5	30-15/5~1500-750/5								
	12.5kA	20/5~1500/5	40-20/5~1500-750/5								
	25kA	40/5~1500/5	80-40/5~1500-750/5								
	31.5kA	60/5~1500/5	120-60/5~1500-750/5								
	40kA	80/5~1500/5	160-80/5~1500-750/5								
	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10 10/5	5P or 10P	15VA	n)10
	8kA	10/5~1500/5	10-5/5~1500-750/5								
	12.5kA	15/5~1500/5	20-10/5~1500-750/5								
	25kA	30/5~1500/5	30-15/5~1500-750/5								
	31.5kA	50/5~1500/5	50-25/5~1500-750/5								
	40kA	60/5~1500/5	60-30/5~1500-750/5								
Relaying (WS-361R) (WS-361DR)	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	300In	10/5~200/5	10-5/5~200-100/5								
	8kA	25/5~1500/5	30-15/5~1500-750/5								
	12.5kA	40/5~1500/5	40-20/5~1500-750/5								
	25kA	75/5~1500/5	80-40/5~1500-750/5								
	31.5kA	120/5~1500/5	120-60/5~1500-750/5								
	40kA	150/5~1500/5	150-75/5~1500-750/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	75In	5/5~800/5	10-5/5~800-400/5								
	8kA	50/5~1500/5	50-25/5~1500-750/5								
	12.5kA	75/5~1500/5	80-40/5~1500-750/5								
	25kA	150/5~1500/5	150-75/5~1500-750/5								
	31.5kA	250/5~1500/5	250-125/5~1500-750/5								
2 Core Single Ratio C.T (2WS-361)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	8kA	20~1500/5-5	20-10/5-5~1500-750/5-5								
	12.5kA	25~1500/5-5	30-15/5-5~1500-750/5-5								
	25kA	50~1500/5-5	50-25/5-5~1500-750/5-5								
	31.5kA	75~1500/5-5	80-40/5-5~1500-750/5-5								
	40kA	100~1500/5-5	100-50/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	8kA	35~1500/5-5	40-20/5-5~1500-750/5-5								
	12.5kA	50~1500/5-5	50-25/5-5~1500-750/5-5								
	25kA	100~1500/5-5	100-50/5-5~1500-750/5-5								
	31.5kA	150~1500/5-5	150-75/5-5~1500-750/5-5								
	40kA	200~1500/5-5	200-100/5-5~1500-750/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-362(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:24~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

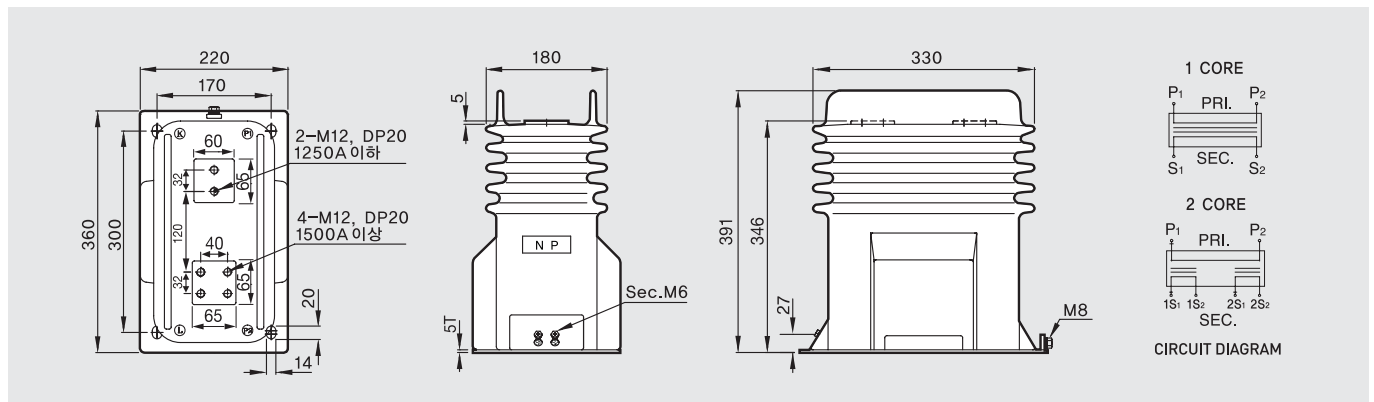
■ 계기용 / Measuring Application

Type	WS-362 or WS-362D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	25.8kV	34.5kV	24kV	36kV
절연계급 / Insulation Level	25.8 / 50 / 150kV	34.5 / 70 / 200kV(170kV)	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 52			

■ 계전기용 / Relaying Application

Type	WS-362R or WS-362DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	23kV	34.5kV	24kV	36kV
절연계급 / Insulation Level	23 / 50 / 150kV	34.5 / 70 / 200kV(170kV)	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 52			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-362) (WS-362D)	8kA	5/5~2000/5	10-5/5~2000-1000/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	12.5kA	5/5~2000/5	10-5/5~2000-1000/5								
	25kA	10/5~2000/5	20-10/5~2000-1000/5								
	31.5kA	15/5~2000/5	30-15/5~2000-1000/5								
	40kA	20/5~2000/5	40-20/5~2000-1000/5								
	8kA	5/5~2000/5	10-5/5~2000-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 30VA	FS 5 FS 10 (OPTION)
	12.5kA	10/5~2000/5	20-10/5~2000-1000/5								
	25kA	15/5~2000/5	30-15/5~2000-1000/5								
	31.5kA	20/5~2000/5	40-20/5~2000-1000/5								
	40kA	25/5~2000/5	50-25/5~2000-1000/5								
Relaying (WS-362R) (WS-362DR)	8kA	5/5~2000/5	10-5/5~2000-1000/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	12.5kA	10/5~2000/5	10-5/5~2000-1000/5								
	25kA	15/5~2000/5	20-10/5~2000-1000/5								
	31.5kA	20/5~2000/5	20-10/5~2000-1000/5								
	40kA	25/5~2000/5	30-15/5~2000-1000/5								
	8kA	10/5~2000/5	10-5/5~2000-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	12.5kA	15/5~2000/5	20-10/5~2000-100/5								
	25kA	25/5~2000/5	30-15/5~2000-1000/5								
	31.5kA	35/5~2000/5	40-20/5~2000-1000/5								
	40kA	50/5~2000/5	50-25/5~2000-1000/5								
	8kA	15/5~2000/5	20-10/5~2000-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	25/5~2000/5	30-15/5~2000-1000/5								
	25kA	50/5~2000/5	50-25/5~2000-1000/5								
	31.5kA	70/5~2000/5	70-35/5~2000-1000/5								
	40kA	100/5~2000/5	100-50/5~2000-1000/5								
2 Core Single Ratio C.T (2WS-362)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	10~2000/5-5	10-5/5-5~2000-1000/5-5								
	12.5kA	15~2000/5-5	20-10/5-5~2000-1000/5-5								
	25kA	25~2000/5-5	30-15/5-5~2000-1000/5-5								
	31.5kA	30~2000/5-5	30-15/5-5~2000-1000/5-5								
	40kA	45~2000/5-5	50-25/5-5~2000-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	15~2000/5-5	20-10/5-5~2000-1000/5-5								
	12.5kA	30~2000/5-5	30-15/5-5~2000-1000/5-5								
	25kA	60~2000/5-5	60-30/5-5~2000-1000/5-5								
	31.5kA	75~2000/5-5	80-40/5-5~2000-1000/5-5								
	40kA	115~2000/5-5	120-60/5-5~2000-1000/5-5	-	-	1.0/1P	40/40	n)20	1.0/5P	30/30	n)20
	75In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	5~200/5-5	10-5/5-5~200-100/5-5								
	8kA	30~2000/5-5	30-15/5-5~2000-1000/5-5								
	12.5kA	60~2000/5-5	60-30/5-5~2000-1000/5-5								
	25kA	115~2000/5-5	120-60/5-5~2000-1000/5-5								
	31.5kA	150~2000/5-5	150-75/5-5~2000-1000/5-5								
	40kA	225~2000/5-5	230-115/5-5~2000-1000/5-5								



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



WS-363(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~36kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

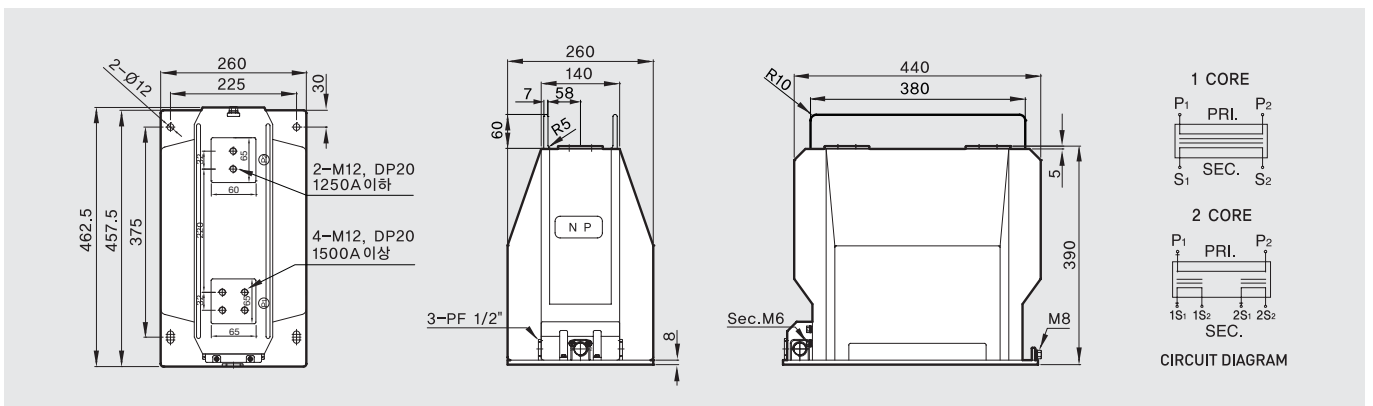
■ 계기용 / Measuring Application

Type	WS-363(W) or WS-363(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	28.5kV	34.5kV	24kV	36kV
절연계급 / Insulation Level	25.8 / 50 / 150kV	34.5 / 70 / 200kV(170kV)	24 / 50 / 125kV	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~4000A or 4000 / 2000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 120			

■ 계전기용 / Relaying Application

Type	WS-363(W)R or WS-363(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	23kV	34.5kV	24kV	36kV
절연계급 / Insulation Level	23 / 50 / 150kV(125kV)	34.5 / 70 / 200kV	24 / 50 / 125kV	36 / 70 / 170kV(145kV)
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~4000A or 4000A / 2000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류정수/Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 120			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WS-363) (WS-363DR)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	5/5~4000/5	10-5/5~4000-2000/5								
	12.5kA	10/5~4000/5	20-10/5~4000-2000/5								
	25kA	10/5~4000/5	20-10/5~4000-2000/5								
	31.5kA	15/5~4000/5	30-15/5~4000-2000/5								
	40kA	20/5~4000/5	40-20/5~4000-2000/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	10/5~4000/5	20-10/5~4000-2000/5								
	12.5kA	10/5~4000/5	20-10/5~4000-2000/5								
	25kA	15/5~4000/5	30-15/5~4000-2000/5								
	31.5kA	25/5~4000/5	50-25/5~4000-2000/5								
	40kA	30/5~4000/5	60-30/5~4000-2000/5								
Relaying (WS-363R) (WS-363DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	5/5~4000/5	10-5/5~4000-2000/5								
	12.5kA	10/5~4000/5	20-10/5~4000-2000/5								
	25kA	10/5~4000/5	20-10/5~4000-2000/5								
	31.5kA	15/5~4000/5	30-15/5~4000-2000/5								
	40kA	20/5~4000/5	40-20/5~4000-2000/5								
	150In	10/5~400/5	20-10/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	10/5~4000/5	20-10/5~4000-2000/5								
	12.5kA	10/5~4000/5	20-10/5~4000-2000/5								
	25kA	15/5~4000/5	30-15/5~4000-2000/5								
	31.5kA	25/5~4000/5	50-25/5~4000-2000/5								
	40kA	30/5~4000/5	60-30/5~4000-2000/5								
	8kA	10/5~4000/5	20-10/5~4000-2000/5	-	-	1P	40VA	n)20 20/10	5P or 10P	30VA	n)20
	12.5kA	10/5~4000/5	20-10/5~4000-2000/5								
	25kA	15/5~4000/5	30-15/5~4000-2000/5								
	31.5kA	25/5~4000/5	50-25/5~4000-2000/5								
	40kA	30/5~4000/5	60-30/5~4000-2000/5								
	40kA	30/5~4000/5	60-30/5~4000-2000/5								
2 Core Single Ratio C.T (2WS-363)	40In	10~1500/5-5	20-10/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	0~800/5-5	0-0/5-5~800-400/5-5								
	150In	10~400/5-5	20-10/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	10~4000/5-5	20-10/5-5~4000-2000/5-5								
	12.5kA	15~4000/5-5	30-15/5-5~4000-2000/5-5								
	25kA	20~4000/5-5	40-20/5-5~4000-2000/5-5								
	31.5kA	25~4000/5-5	50-25/5-5~4000-2000/5-5								
	40kA	35~4000/5-5	70-35/5-5~4000-2000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	15~1500/5-5	30-15/5-5~1500-750/5-5								
	8kA	20~4000/5-5	40-20/5-5~4000-2000/5-5								
	12.5kA	20~4000/5-5	40-20/5-5~4000-2000/5-5								
	25kA	30~4000/5-5	60-30/5-5~4000-2000/5-5								
	31.5kA	45~4000/5-5	90-45/5-5~4000-2000/5-5								
	40kA	60~4000/5-5	120-60/5-5~4000-2000/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-121(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~17.5kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

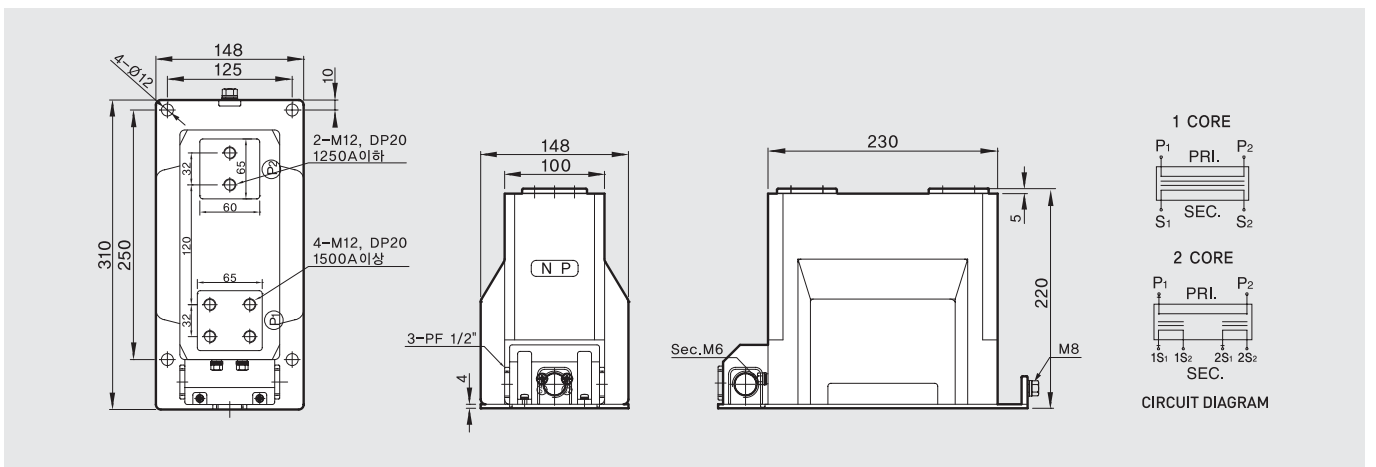
■ 계기용 / Measuring Application

Type	WD-121 or WD-121D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~2000A or 2000 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 24			

■ 계전기용 / Relaying Application

Type	WD-121R or WD-121DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~2000A or 2000 / 1000A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 24			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-121) (WD-121D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	25/5~2000/5	50-25/5~2000-1000/5								
	12.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	25kA	75/5~2000/5	150-75/5~2000-1000/5								
	31.5kA	75/5~2000/5	150-75/5~2000-1000/5								
	40kA	75/5~2000/5	150-75/5~2000-1000/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	300In	10/5~200/5	20-10/5~200-100/5								
	8kA	50/5~2000/5	100-50/5~2000-1000/5								
	12.5kA	75/5~2000/5	150-75/5~2000-1000/5								
	25kA	150/5~2000/5	300-150/5~2000-1000/5								
Relaying (WD-121R) (WD-121DR)	31.5kA	150/5~2000/5	300-150/5~2000-1000/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	40kA	150/5~2000/5	300-150/5~2000-1000/5								
	300In	5/5~200/5	10-5/5~200-100/5								
	8kA	25/5~2000/5	50-25/5~2000-1000/5								
	12.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	25kA	75/5~2000/5	150-75/5~2000-1000/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	31.5kA	75/5~2000/5	150-75/5~2000-1000/5								
	40kA	75/5~2000/5	150-75/5~2000-1000/5								
	150In	5/5~400/5	10-5/5~400-200/5								
	8kA	50/5~2000/5	100-50/5~2000-1000/5								
	12.5kA	75/5~2000/5	150-75/5~2000-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	25kA	150/5~2000/5	300-150/5~2000-1000/5								
	31.5kA	150/5~2000/5	300-150/5~2000-1000/5								
	40kA	150/5~2000/5	300-150/5~2000-1000/5								
	8kA	100/5~2000/5	200-100/5~2000-1000/5								
2 Core Single Ratio C.T (2WD-121)	12.5kA	150/5~2000/5	300-150/5~2000-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	25kA	300/5~2000/5	600-300/5~2000-1000/5								
	31.5kA	300/5~2000/5	600-300/5~2000-1000/5								
	40kA	300/5~2000/5	600-300/5~2000-1000/5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5								
	75In	5~800/5-5	10-5/5-5~800-400/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	50~2000/5-5	100-50/5-5~2000-1000/5-5								
	12.5kA	75~2000/5-5	150-75/5-5~2000-1000/5-5								
	25kA	150~2000/5-5	300-150/5-5~2000-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	31.5kA	150~2000/5-5	300-150/5-5~2000-1000/5-5								
	40kA	150~2000/5-5	300-150/5-5~2000-1000/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	200~2000/5-5	400-200/5-5~2000-1000/5-5								
	12.5kA	300~2000/5-5	600-300/5-5~2000-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	25kA	600~2000/5-5	1200-600/5-5~2000-1000/5-5								
	31.5kA	600~2000/5-5	1200-600/5-5~2000-1000/5-5								
	40kA	600~2000/5-5	1200-600/5-5~2000-1000/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-122(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~17.5kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

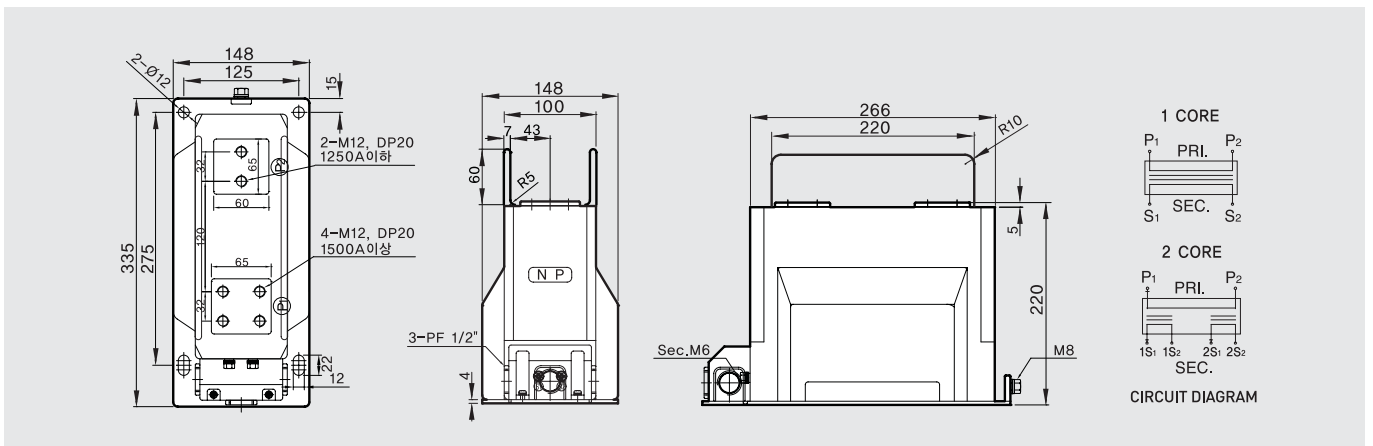
■ 계기용 / Measuring Application

Type	WD-122(W) or WD-122(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max, 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 24			

■ 계전기용 / Relaying Application

Type	WD-122(W)R or WD-122(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 24			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-122) (WD-122D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	60/5~3200/5	120-60/5~3200-1600/5								
	31.5kA	60/5~3200/5	120-60/5~3200-1600/5								
	40kA	60/5~3200/5	120-60/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	45/5~3200/5	90-45/5~3200-1600/5								
	12.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	25kA	125/5~3200/5	250-125/5~3200-1600/5								
	31.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	40kA	125/5~3200/5	250-125/5~3200-1600/5								
Relaying (WD-122R) (WD-122DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	25kA	75/5~3200/5	150-75/5~3200-1600/5								
	31.5kA	75/5~3200/5	150-75/5~3200-1600/5								
	40kA	75/5~3200/5	150-75/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	45/5~3200/5	90-45/5~3200-1600/5								
	12.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	25kA	125/5~3200/5	250-125/5~3200-1600/5								
	31.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	40kA	125/5~3200/5	250-125/5~3200-1600/5								
	8kA	85/5~3200/5	170-85/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	25kA	250/5~3200/5	500-250/5~3200-1600/5								
	31.5kA	250/5~3200/5	500-250/5~3200-1600/5								
	40kA	250/5~3200/5	500-250/5~3200-1600/5								
	40kA	250/5~3200/5	500-250/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-122)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	12.5kA	75~3200/5-5	150-75/5-5~3200-1600/5-5								
	25kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	31.5kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	40kA	150~3200/5-5	300-150/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	170~3200/5-5	340-170/5-5~3200-1600/5-5								
	12.5kA	250~3200/5-5	500-250/5-5~3200-1600/5-5								
	25kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								
	31.5kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								
	40kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-123(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~17.5kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

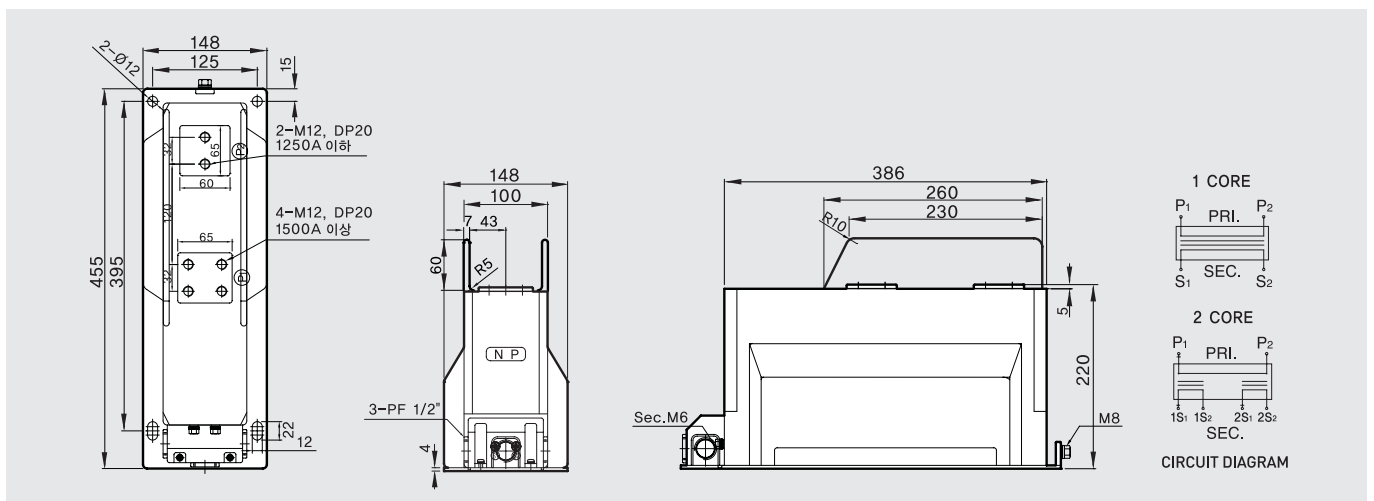
■ 계기용 / Measuring Application

Type	WD-123(W) or WD-123(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 계전기용 / Relaying Application

Type	WD-123(W)R or WD-123(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n ≧ 10 or n ≧ 20		n ≧ 10 or n ≧ 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-123) (WD-123D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	60/5~3200/5	120-60/5~3200-1600/5								
	31.5kA	60/5~3200/5	120-60/5~3200-1600/5								
	40kA	60/5~3200/5	120-60/5~3200-1600/5								
	300In	5/5~200/5	10-5/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	25kA	75/5~3200/5	150-75/5~3200-1600/5								
	31.5kA	75/5~3200/5	150-75/5~3200-1600/5								
	40kA	75/5~3200/5	150-75/5~3200-1600/5								
Relaying (WD-123R) (WD-123DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	60/5~3200/5	120-60/5~3200-1600/5								
	31.5kA	60/5~3200/5	120-60/5~3200-1600/5								
	40kA	60/5~3200/5	120-60/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	25kA	75/5~3200/5	150-75/5~3200-1600/5								
	31.5kA	75/5~3200/5	150-75/5~3200-1600/5								
	40kA	75/5~3200/5	150-75/5~3200-1600/5								
	8kA	50/5~3200/5	100-50/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	75/5~3200/5	150-75/5~3200-1600/5								
	25kA	150/5~3200/5	300-150/5~3200-1600/5								
	31.5kA	150/5~3200/5	300-150/5~3200-1600/5								
	40kA	150/5~3200/5	300-150/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-123)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	12.5kA	60~3200/5-5	120-60/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	25kA	120~3200/5-5	240-120/5-5~3200-1600/5-5								
	31.5kA	120~3200/5-5	240-120/5-5~3200-1600/5-5								
	40kA	120~3200/5-5	240-120/5-5~3200-1600/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	12.5kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	25kA	300~3200/5-5	600-300/5-5~3200-1600/5-5								
	31.5kA	300~3200/5-5	600-300/5-5~3200-1600/5-5								
	40kA	300~3200/5-5	600-300/5-5~3200-1600/5-5								

F

MV CT



WD-124(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~17.5kV

■ 특징/Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

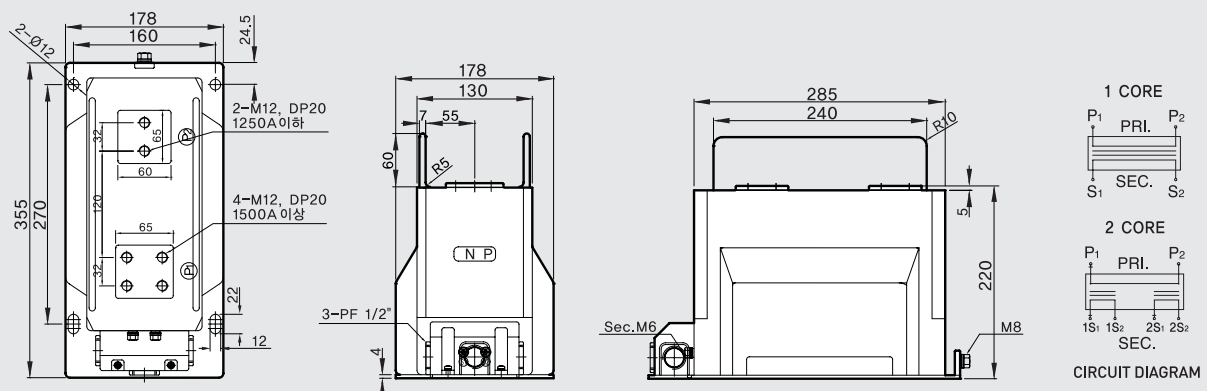
■ 계기용 / Measuring Application

Type	WD-124(W) or WD-124(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max, 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 계전기용 / Relaying Application

Type	WD-124(W)R or WD-124(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1,1In		1,2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 40			

■ 외형치수/ Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-124) (WD-124D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	50/5~3200/5	100-50/5~3200-1600/5								
	40kA	50/5~3200/5	100-50/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	25kA	70/5~3200/5	140-70/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
Relaying (WD-124R) (WD-124DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	50/5~3200/5	100-50/5~3200-1600/5								
	40kA	50/5~3200/5	100-50/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	25kA	70/5~3200/5	140-70/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
	8kA	35/5~3200/5	70-35/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	50/5~3200/5	100-50/5~3200-1600/5								
	25kA	100/5~3200/5	200-100/5~3200-1600/5								
	31.5kA	100/5~3200/5	200-100/5~3200-1600/5								
	40kA	100/5~3200/5	200-100/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-124)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	35~3200/5-5	70-35/5-5~3200-1600/5-5								
	12.5kA	50~3200/5-5	100-50/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	25kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	31.5kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	40kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	12.5kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	25kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	31.5kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-125(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~17.5kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

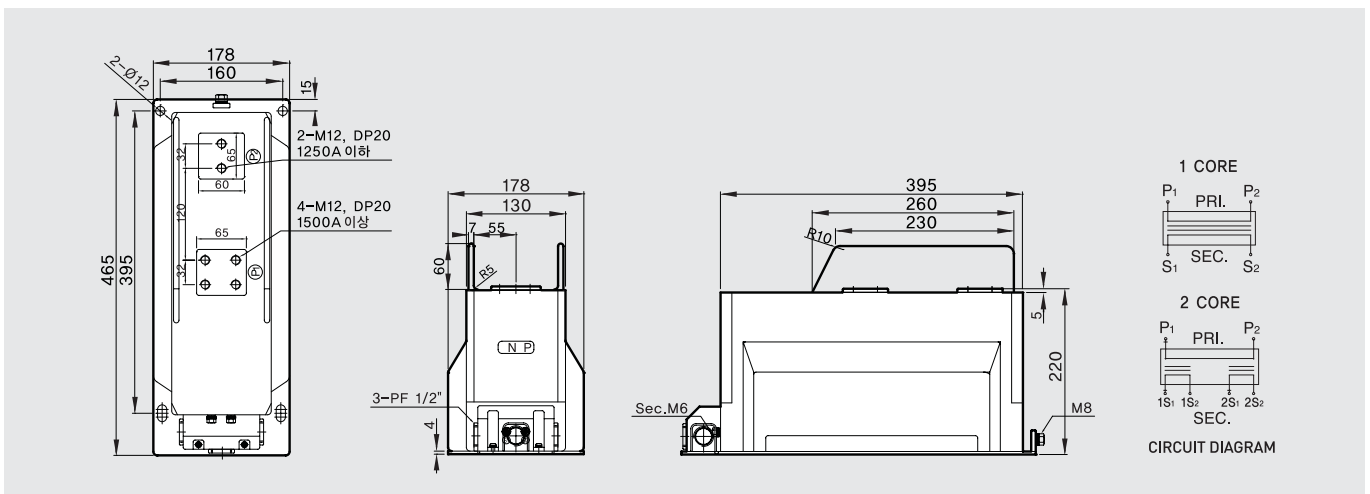
■ 계기용 / Measuring Application

Type	WD-125(W) or WD-125(WD)			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	7.2kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	17.25 / 39 / 100kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 계전기용 / Relaying Application

Type	WD-125(W)R or WD-125(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	17.25kV	7.2kV	17.5kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	17.25 / 39 / 115kV	7.2 / 20 / 60kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-125) (WD-125D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	15/5~3200/5	30-15/5~3200-1600/5								
	12.5kA	20/5~3200/5	40-20/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	40kA	35/5~3200/5	70-35/5~3200-1600/5								
	300In	5/5~200/5	10-5/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	50/5~3200/5	100-50/5~3200-1600/5								
	40kA	50/5~3200/5	100-50/5~3200-1600/5								
Relaying (WD-125R) (WD-125DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	15/5~3200/5	30-15/5~3200-1600/5								
	12.5kA	20/5~3200/5	40-20/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	40kA	35/5~3200/5	70-35/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	50/5~3200/5	100-50/5~3200-1600/5								
	40kA	50/5~3200/5	100-50/5~3200-1600/5								
	8kA	25/5~3200/5	50-25/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	25kA	70/5~3200/5	140-70/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-125)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	25~3200/5-5	50-25/5-5~3200-1600/5-5								
	12.5kA	35~3200/5-5	70-35/5-5~3200-1600/5-5								
	25kA	70~3200/5-5	140-70/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	31.5kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	40kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	45~3200/5-5	90-45/5-5~3200-1600/5-5								
	12.5kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	25kA	135~3200/5-5	270-135/5-5~3200-1600/5-5								
	31.5kA	135~3200/5-5	270-135/5-5~3200-1600/5-5								
	40kA	135~3200/5-5	270-135/5-5~3200-1600/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-240(R)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage: 7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

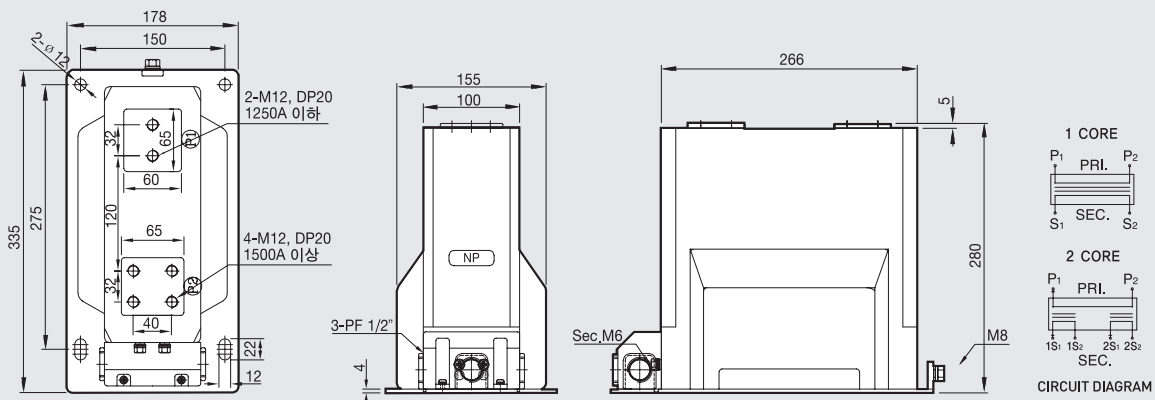
■ 계기용 / Measuring Application

Type	WD-240 or WD-240D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 28			

■ 계전기용 / Relaying Application

Type	WD-240R or WD-240DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 28			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-240) (WD-240D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	60/5~3200/5	120-60/5~3200-1600/5								
	31.5kA	60/5~3200/5	120-60/5~3200-1600/5								
	40kA	60/5~3200/5	120-60/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	45/5~3200/5	90-45/5~3200-1600/5								
	12.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	25kA	125/5~3200/5	250-125/5~3200-1600/5								
	31.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	40kA	125/5~3200/5	250-125/5~3200-1600/5								
Relaying (WD-240R) (WD-240DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10 10/5	5P or 10P	15VA	n)10
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	25kA	75/5~3200/5	150-75/5~3200-1600/5								
	31.5kA	75/5~3200/5	150-75/5~3200-1600/5								
	40kA	75/5~3200/5	150-75/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	45/5~3200/5	90-45/5~3200-1600/5								
	12.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	25kA	125/5~3200/5	250-125/5~3200-1600/5								
	31.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	40kA	125/5~3200/5	250-125/5~3200-1600/5								
	8kA	85/5~3200/5	170-85/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	125/5~3200/5	250-125/5~3200-1600/5								
	25kA	250/5~3200/5	500-250/5~3200-1600/5								
	31.5kA	250/5~3200/5	500-250/5~3200-1600/5								
	40kA	250/5~3200/5	500-250/5~3200-1600/5								
	40kA	250/5~3200/5	500-250/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-240)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	12.5kA	75~3200/5-5	150-75/5-5~3200-1600/5-5								
	25kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	31.5kA	150~3200/5-5	300-150/5-5~3200-1600/5-5								
	40kA	150~3200/5-5	300-150/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	170~3200/5-5	340-170/5-5~3200-1600/5-5								
	12.5kA	250~3200/5-5	500-250/5-5~3200-1600/5-5								
	25kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								
	31.5kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								
	40kA	500~3200/5-5	1000-500/5-5~3200-1600/5-5								

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-241(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

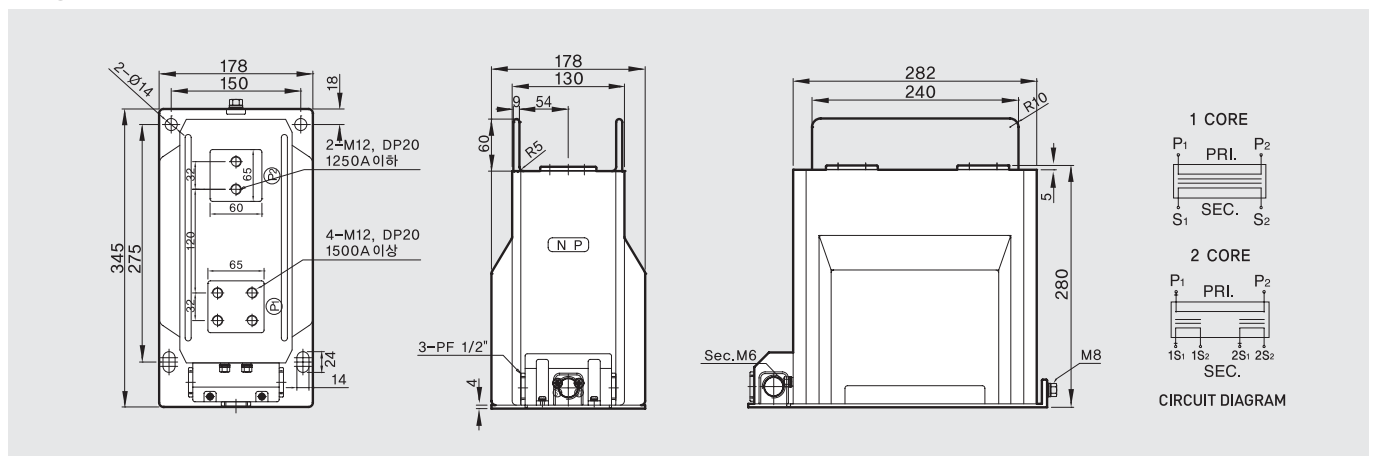
■ 계기용 / Measuring Application

Type	WD-241(W) or WD-241(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 계전기용 / Relaying Application

Type	WD-241(W)R or WD-241(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-241) (WD-241D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	15/5~3200/5	30-15/5~3200-1600/5								
	12.5kA	20/5~3200/5	40-20/5~3200-1600/5								
	25kA	25/5~3200/5	50-25/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	45/5~3200/5	90-45/5~3200-1600/5								
	31.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	40kA	65/5~3200/5	130-65/5~3200-1600/5								
Relaying (WD-241R) (WD-241DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	15/5~3200/5	30-15/5~3200-1600/5								
	12.5kA	20/5~3200/5	40-20/5~3200-1600/5								
	25kA	25/5~3200/5	50-25/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	25/5~3200/5	50-25/5~3200-1600/5								
	12.5kA	30/5~3200/5	60-30/5~3200-1600/5								
	25kA	45/5~3200/5	90-45/5~3200-1600/5								
	31.5kA	65/5~3200/5	130-65/5~3200-1600/5								
	40kA	65/5~3200/5	130-65/5~3200-1600/5								
	8kA	35/5~3200/5	70-35/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	45/5~3200/5	90-45/5~3200-1600/5								
	25kA	70/5~3200/5	140-70/5~3200-1600/5								
	31.5kA	100/5~3200/5	200-100/5~3200-1600/5								
	40kA	100/5~3200/5	200-100/5~3200-1600/5								
	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
2 Core Single Ratio C.T (2WD-241)	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	25~3200/5-5	50-25/5-5~3200-1600/5-5								
	12.5kA	35~3200/5-5	70-35/5-5~3200-1600/5-5								
	25kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	31.5kA	75~3200/5-5	150-75/5-5~3200-1600/5-5								
	40kA	75~3200/5-5	150-75/5-5~3200-1600/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	8kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	12.5kA	90~3200/5-5	180-90/5-5~3200-1600/5-5								
	25kA	135~3200/5-5	270-135/5-5~3200-1600/5-5								
	31.5kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer_DIN TYPE



WD-242(W)(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage:7.2~25.8kV

■ 특징 / Feature

- 권선형 / Winding Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

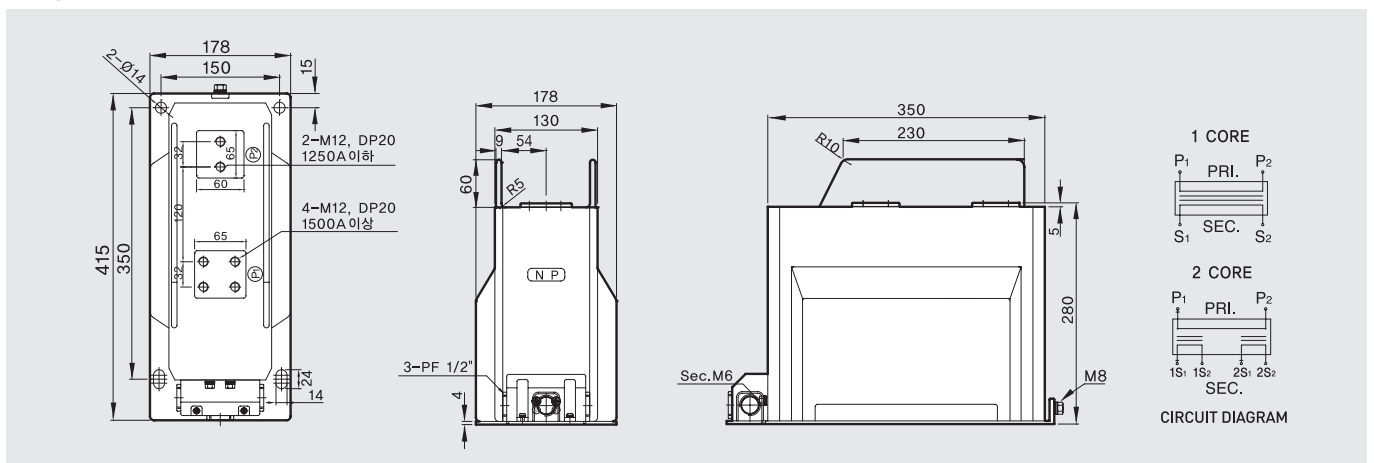
■ 계기용 / Measuring Application

Type	WD-242(W) or WD-242(W)D			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	25.8kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	25.8 / 50 / 125kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	0.5 or 1.0		FS5 or FS10	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 계전기용 / Relaying Application

Type	WD-242(W)R or WD-242(W)DR			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	23kV	12kV	24kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	23 / 50 / 150kV	12 / 28 / 75kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	5~3200A or 3200 / 1600A 이하			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 45			

■ 외형치수 / Dimension



■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (WD-242) (WD-242D)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~3200/5	20-10/5~3200-1600/5								
	12.5kA	15/5~3200/5	30-15/5~3200-1600/5								
	25kA	20/5~3200/5	40-20/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
Relaying (WD-242R) (WD-242DR)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	10/5~3200/5	20-10/5~3200-1600/5								
	12.5kA	15/5~3200/5	30-15/5~3200-1600/5								
	25kA	20/5~3200/5	40-20/5~3200-1600/5								
	31.5kA	40/5~3200/5	80-40/5~3200-1600/5								
	40kA	40/5~3200/5	80-40/5~3200-1600/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	15VA 30VA	n)20 n)10
	8kA	20/5~3200/5	40-20/5~3200-1600/5								
	12.5kA	25/5~3200/5	50-25/5~3200-1600/5								
	25kA	35/5~3200/5	70-35/5~3200-1600/5								
	31.5kA	70/5~3200/5	140-70/5~3200-1600/5								
	40kA	70/5~3200/5	140-70/5~3200-1600/5								
	8kA	25/5~3200/5	50-25/5~3200-1600/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	35/5~3200/5	70-35/5~3200-1600/5								
	25kA	50/5~3200/5	100-50/5~3200-1600/5								
	31.5kA	100/5~3200/5	200-100/5~3200-1600/5								
	40kA	100/5~3200/5	200-100/5~3200-1600/5								
	40kA	100/5~3200/5	200-100/5~3200-1600/5								
2 Core Single Ratio C.T (2WD-242)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	20~3200/5-5	40-20/5-5~3200-1600/5-5								
	12.5kA	30~3200/5-5	60-30/5-5~3200-1600/5-5								
	25kA	40~3200/5-5	80-40/5-5~3200-1600/5-5								
	31.5kA	80~3200/5-5	160-80/5-5~3200-1600/5-5								
	40kA	80~3200/5-5	160-80/5-5~3200-1600/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	50~3200/5-5	100-50/5-5~3200-1600/5-5								
	12.5kA	70~3200/5-5	140-70/5-5~3200-1600/5-5								
	25kA	100~3200/5-5	200-100/5-5~3200-1600/5-5								
	31.5kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								
	40kA	200~3200/5-5	400-200/5-5~3200-1600/5-5								

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MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-12(R)

배전반용 / For Switchgear

최고회로 전압 **Max.Voltage: 7.2kV**

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type>window type] CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

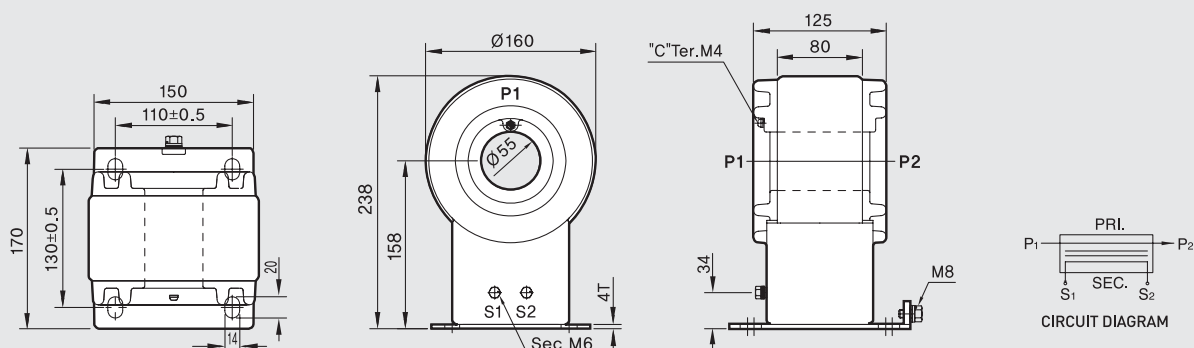
■ 계기용 / Measuring Application

Type	CHR-12	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	7.2kV	7.2kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	7.2 / 20 / 60kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	300~1000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1,0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	
중량 / Weight(kg)	≒ 15	

■ 계전기용 / Relaying Application

Type	CHR-12R	
규격 / Standard	JEC 1201	IEC 61869-2
최고회로전압 / Max. Voltage	6.9kV	7.2kV
절연계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	300~1000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15VA	15VA
오차계급 / Accuracy Class	1P	5P10 or 10P10
과전류 정수 / Over Current Factor	n > 10	n > 10
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In
주파수 / Frequency	60Hz (option : 50Hz)	
중량 / Weight(kg)	≒ 15	

■ 외형치수 / Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요. (As for the busbar through type>window type] CT, when the highest circuit voltage is over 6.9kV,the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

CHR-2(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-205(R)	Ø55	≒ 25kg
CHR-207(R)	Ø70	≒ 22kg
CHR-211(R)	Ø110	≒ 19kg
CHR-213	Ø135	≒ 16kg

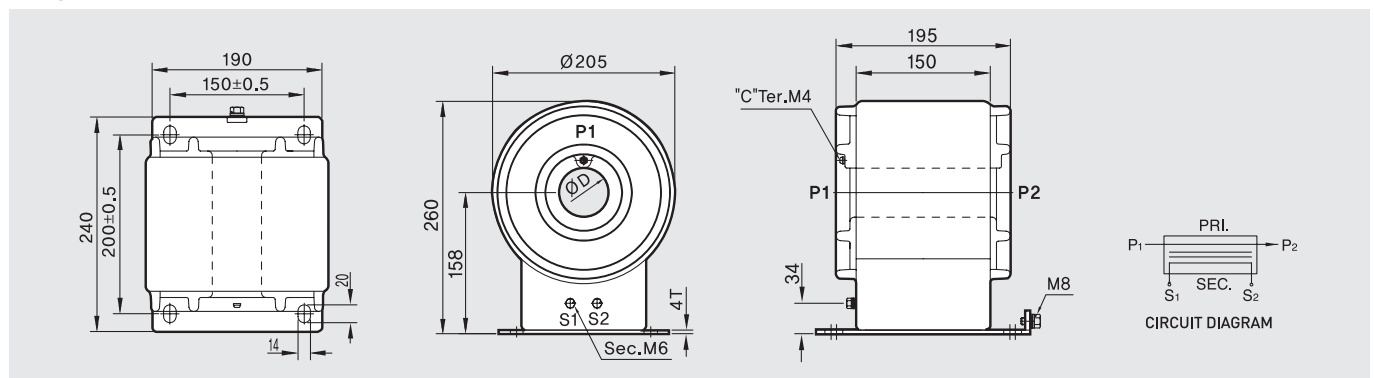
■ 계기용 / Measuring Application

Type	CHR-2	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	7.2kV	7.2kV
절연계급 / Insulation Level	7.2 / 22 / 60kV	7.2 / 20 / 60kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	300~4000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1.0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	

■ 계전기용 / Relaying Application

Type	CHR-2R		
규격 / Standard	JEC 1201	IEC 61869-2	
최고회로전압 / Max. Voltage	6.9kV	7.2kV	
절연계급 / Insulation Level	6.9 / 22 / 60kV	7.2 / 20 / 60kV	
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)		
정격1차전류 / Rated Primary Current	300~4000A		
정격2차전류 / Rated Secondary Current	5 or 1A		
정격부담 / Rated Burden	40VA	30VA	
오차계급 / Accuracy Class	1P	5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n ≥ 10	n ≥ 10	n ≥ 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)		

■ 외형치수 / Dimension





CHR-17(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요. (As for the busbar through type[window type] CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

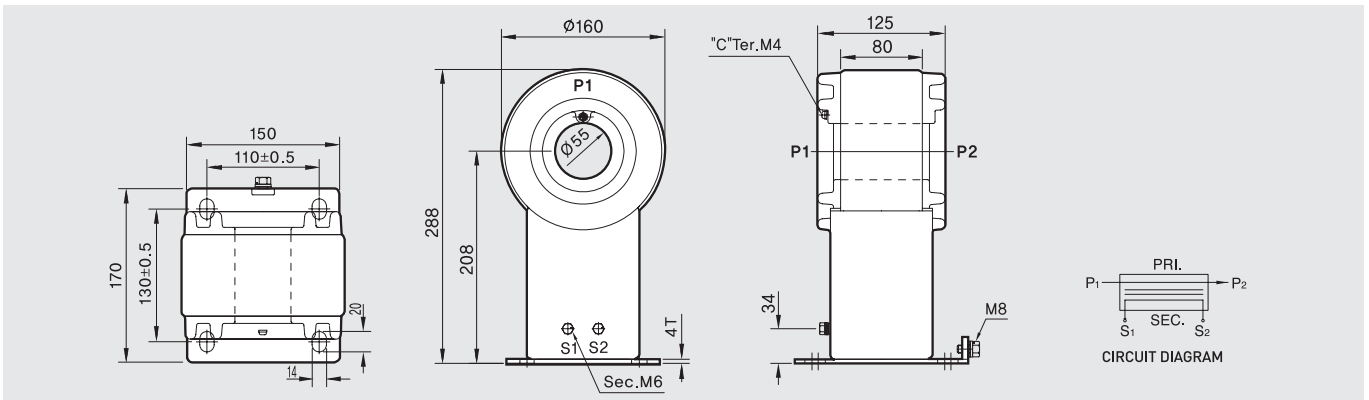
■ 계기용 / Measuring Application

Type	CHR-17			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	17.25 / 39 / 100kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~1000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1.0			
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 계전기용 / Relaying Application

Type	CHR-17R			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	17.25 / 39 / 115kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~1000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15VA		15VA	
오차계급 / Accuracy Class	1P		5P10 or 10P10	
과전류 정수 / Over Current Factor	n ≧ 10		n ≧ 10	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			
중량 / Weight(kg)	≒ 16			

■ 외형치수 / Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요. (As for the busbar through type>window type) CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

CHR-3(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-305(R)	Ø55	≒ 30kg
CHR-307(R)	Ø70	≒ 27kg
CHR-311(R)	Ø110	≒ 24kg
CHR-313	Ø135	≒ 21kg

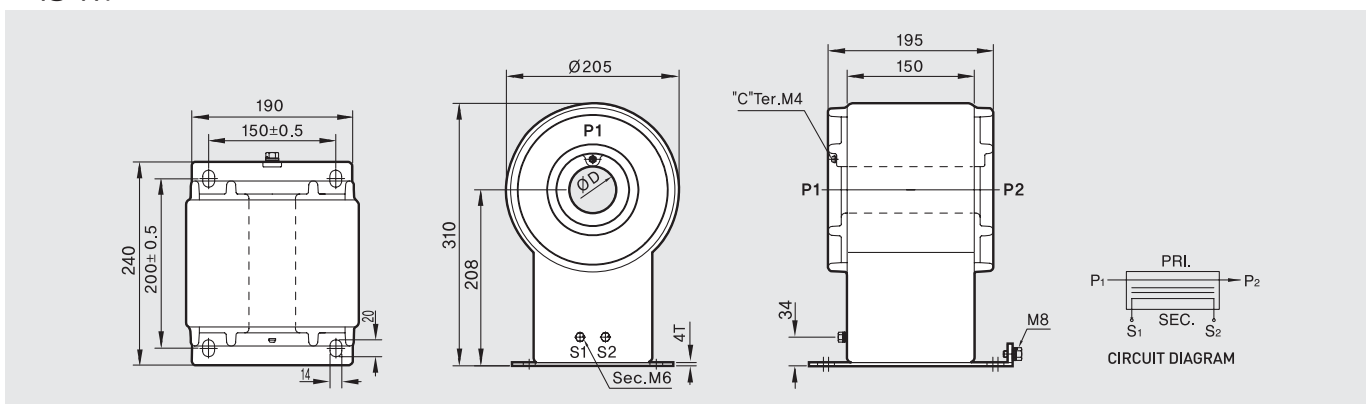
■ 계기용 / Measuring Application

Type	CHR-3			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	17.25 / 39 / 100kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1.0			
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			

■ 계전기용 / Relaying Application

Type	CHR-3R			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	17.25 / 39 / 115kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	40VA		30VA	
오차계급 / Accuracy Class	1P		5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n ≧ 10		n ≧ 10	n ≧ 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			

■ 외형치수 / Dimension





※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요. (As for the busbar through type>window type] CT, when the highest circuit voltage is over 6.9kV,the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

CHR-4(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-405(R)	Ø55	≒ 34kg
CHR-407(R)	Ø70	≒ 31kg
CHR-411(R)	Ø110	≒ 28kg
CHR-413(R)	Ø135	≒ 25kg

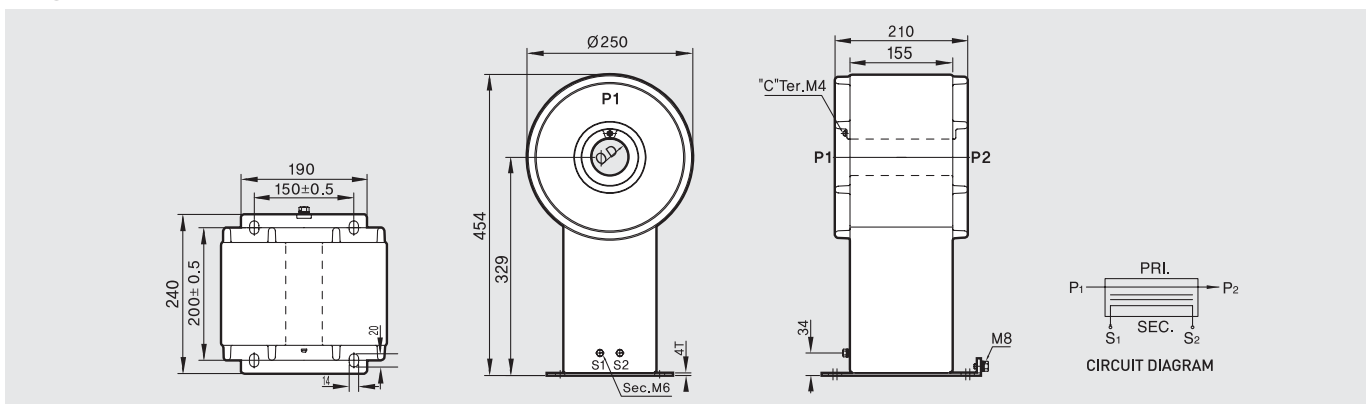
■ 계기용 / Measuring Application

Type	CHR-4	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	25.8kV	24kV
절연계급 / Insulation Level	25.8 / 50 / 150kV(125kV)	24 / 50 / 125kV(95kV)
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	300~5000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1.0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	

■ 계전기용 / Relaying Application

Type	CHR-4R		
규격 / Standard	JEC 1201	IEC 61869-2	
최고회로전압 / Max. Voltage	23kV	24kV	
절연계급 / Insulation Level	23 / 50 / 150kV	24 / 50 / 125kV(95kV)	
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)		
정격1차전류 / Rated Primary Current	300~5000A		
정격2차전류 / Rated Secondary Current	5 or 1A		
정격부담 / Rated Burden	40VA	30VA	
오차계급 / Accuracy Class	1P	5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n > 10	n > 10	n > 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)		

■ 외형치수 / Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n >	Class	Burden	n >
CHR-1 (7.2kV)	Measuring	CHR-105	150~750/5	300-150/5~800-400/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	-
		CHR-107	200~1200/5	400-200/5~1200-600/5								
		CHR-111	300~2500/5	600-300/5~2400-1200/5								
	Relaying	CHR-105R	300~750/5	300-150/5~800-400/5	-	-	1P	40VA	n > 10	5P10 10P10	30VA	n > 10
		CHR-107R	400~1200/5	400-200/5~1200-600/5								
		CHR-111R	1200~2500/5	1200-600/5~2400-1200/5						5P20 10P20	15VA	n > 20
	Relaying (3' ry Winding)	CHR-105RT	300~750/5, 100/5	300-150/5~800-400/5, 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-
		CHR-107RT	400~1200/5, 100/5	400-200/5~1200-600/5, 100/5								
		CHR-111RT	1200~2500/5, 100/5	1200-600/5~2400-1200/5, 100/5								
CHR-2 (7.2kV)	Measuring	CHR-205	150~750/5	300-150/5~800-400/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	-
		CHR-207	150~1200/5	300-150/5~1200-600/5								
		CHR-211	200~2500/5	400-200/5~2400-1200/5								
		CHR-213	250~4000/5	500-250/5~4000-2000/5								
	Relaying	CHR-205R	300~750/5	300-150/5~800-400/5	-	-	1P	40VA	n > 20	5P20 10P20	30VA	n > 20
		CHR-207R	600~1200/5	600-300/5~1200-600/5								
		CHR-211R	800~4000/5	800-400/5~4000-2000/5								
	Relaying (3' ry Winding)	CHR-205RT	300~750/5, 100/5	300-150/5~800-400/5, 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-
		CHR-207RT	600~1200/5, 100/5	600-300/5~1200-600/5, 100/5								
		CHR-211RT	800~4000/5, 100/5	800-400/5~4000-2000/5, 100/5								
	2 Core Single Ratio C.T	2CHR-205	300~750/5-5	-	-	-	-	-	-	1.0	30VA	-
		2CHR-207	800~1200/5-5	-								
		2CHR-211	1500~4000/5-5	-						5P10 10P10	15VA	n > 10
CHR-3 (12~17.5kV)	Measuring	CHR-305	150~750/5	300-150/5~800-400/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	-
		CHR-307	150~1200/5	300-150/5~1200-600/5								
		CHR-311	200~2500/5	400-200/5~2400-1200/5								
		CHR-313	250~4000/5	500-250/5~4000-2000/5								
	Relaying	CHR-305R	300~750/5	300-150/5~800-400/5	-	-	1P	40VA	n > 20	5P20 10P20	30VA	n > 20
		CHR-307R	600~1200/5	600-300/5~1200-600/5								
		CHR-311R	800~4000/5	800-400/5~4000-2000/5								
	Relaying (3' ry Winding)	CHR-305RT	300~750/5, 100/5	300-150/5~800-400/5, 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-
		CHR-307RT	600~1200/5, 100/5	600-300/5~1200-600/5, 100/5								
		CHR-311RT	800~4000/5, 100/5	800-400/5~4000-2000/5, 100/5								
	2 Core Single Ratio C.T	2CHR-305	300~750/5-5	-	-	-	-	-	-	1.0	30VA	-
		2CHR-307	800~1200/5-5	-								
		2CHR-311	1500~4000/5-5	-						5P10 10P10	30VA	n > 10

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n >	Class	Burden	n >
CHR-4 24kV (25.8kV)	Measuring	CHR-405	150~750/5	300-150/5~800-400/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	-
		CHR-407	200~1200/5	400-200/5~1200-600/5								
		CHR-411	200~2500/5	400-200/5~2400-1200/5								
		CHR-413	250~5000/5	500-250/5~5000-2500/5								
	Relaying	CHR-405R	300~750/5	300-150/5~800-400/5	-	-	1P	40VA	n > 20	5P20 10P20	30VA	n > 20
		CHR-407R	400~1200/5	400-200/5~1200-600/5								
		CHR-411R	600~2500/5	600-300/5~2400-1200/5								
		CHR-413R	1200~5000/5	1200-600/5~5000-2500/5								
	Relaying (3' ry Winding)	CHR-405RT	300~750/5, 100/5	300-150/5~800-400/5, 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-
		CHR-407RT	400~1200/5, 100/5	400-200/5~1200-600/5, 100/5								
		CHR-411RT	600~2500/5, 100/5	600-300/5~2400-1200/5, 100/5								
		CHR-413RT	1200~5000/5, 100/5	1200-600/5~5000-2500/5, 100/5								
	2 Core Single Ratio C.T	2CHR-405	300~750/5-5	-	-	-	-	-	-	1.0	30VA	-
		2CHR-407	800~1200/5-5	-								
		2CHR-411	1500~2500/5-5	-						5P10 10P10	30VA	n > 10
CHR-12 (7.2kV)	Measuring	CHR-12	200~1000/5	400-200/5~1000-500/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	FS5 FS10 (Option)
	Relaying	CHR-12R	200~1000/5	200-100/5~1000-500/5	-	-	1P	15VA	n > 10 10/5	1.0/5P	15VA	n > 10
			400~1000/5	400-200/5~1000-500/5	-	-	1P	15VA 40VA	n > 20 n > 10	5P or 10P	15VA 30VA	n > 20 n > 10
	Relaying (3' ry Winding)	CHR-12RT	400~1000/5 100/5	400-200/5~1000-500/5 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-
CHR-17 (12~17.5kV)	Measuring	CHR-17	200~1000/5	400-200/5~1000-500/5	1.0	15VA 40VA	-	-	-	1.0	15VA 30VA	FS5 FS10 (Option)
	Relaying	CHR-17R	200~1000/5	200-100/5~1000-500/5	-	-	1P	15VA	n > 10 10/5	1.0/5P	15VA	n > 10
			400~1000/5	400-200/5~1000-500/5	-	-	1P	15VA 40VA	n > 20 n > 10	5P or 10P	15VA 30VA	n > 20 n > 10
	Relaying (3' ry Winding)	CHR-17RT	400~1000/5 100/5	400-200/5~1000-500/5 100/5	-	-	1P/5G	40VA /15VA	n > 20	-	-	-

F

MV CT



고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-31(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type>window type) CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-3105(R)	Ø55	≒ 50kg
CHR-3107(R)	Ø70	≒ 46kg
CHR-3111(R)	Ø110	≒ 42kg
CHR-3113(R)	Ø135	≒ 30kg
CHR-3116(R)	Ø165	≒ 28kg

※ CHR-3116(R) TYPE은 12kV 까지만 가능합니다.

■ 계기용 / Measuring Application

Type	CHR-31			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	17.25 / 39 / 100kV	12 / 28 / 75kV	17.25 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1.0			
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			

■ 계전기용 / Relaying Application

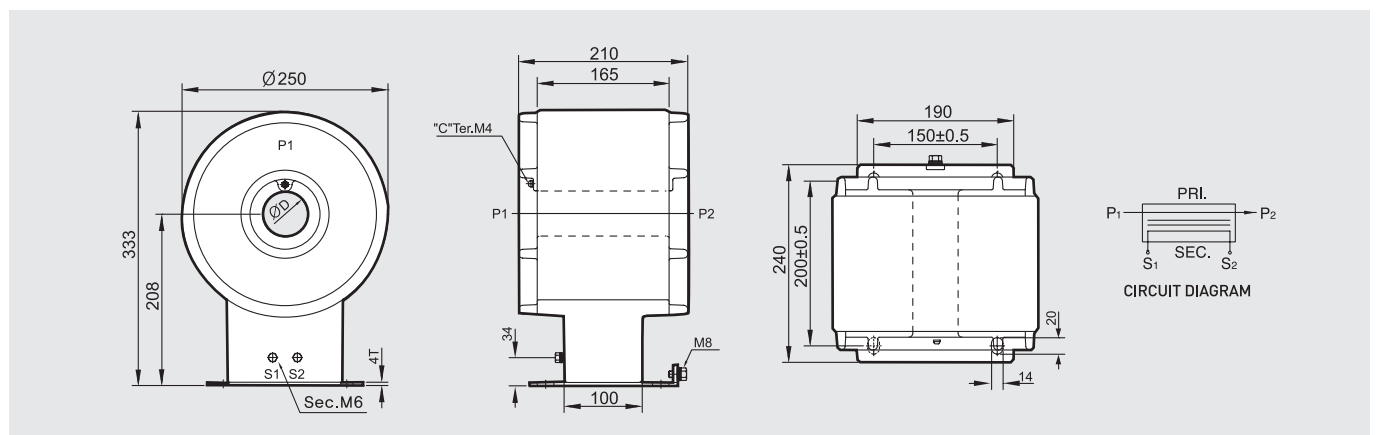
Type	CHR-31R			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	17.25 / 39 / 115kV	12 / 28 / 75kV	17.25 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	40VA		30VA	
오차계급 / Accuracy Class	1P		5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n ≧ 10		n ≧ 10	n ≧ 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2			
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n 〉	Class	Burden	n 〉	
CHR-31 (7.2~17.5kV)	Measuring	CHR-3105	100~2000/5	200-100/5~2000-1000/5	1.0	15VA	-	-	-	1.0	15VA	-	
		CHR-3107	100~4000/5	200-100/5~4000-2000/5									
		CHR-3111	150~5000/5	300-150/5~5000-2500/5									
		CHR-3113	150~5000/5	300-150/5~5000-2500/5									
		CHR-3116	200~5000/5	400-200/5~5000-2500/5									
		CHR-3105	150~2000/5	300-150/5~2000-1000/5		40VA	-	-	-		30VA	-	
		CHR-3107	150~4000/5	300-150/5~4000-2000/5									
		CHR-3111	200~5000/5	400-200/5~5000-2500/5									
		CHR-3113	250~5000/5	500-250/5~5000-2500/5									
		CHR-3116	300~5000/5	600-300/5~5000-2500/5									
	Relaying	CHR-3105R	100~2000/5	200-100/5~2000-1000/5	-	-	15VA	n 〉 10	5P10	15VA	n 〉 10		
		CHR-3107R	100~4000/5	200-100/5~4000-2000/5									
		CHR-3111R	150~5000/5	300-150/5~5000-2500/5									
		CHR-3113R	150~5000/5	300-150/5~5000-2500/5									
		CHR-3116R	200~5000/5	400-200/5~5000-2500/5									
		CHR-3105R	150~2000/5	300-150/5~2000-1000/5	-	-			40VA	n 〉 20		5P20	30VA
		CHR-3107R	150~4000/5	300-150/5~4000-2000/5									
		CHR-3111R	200~5000/5	400-200/5~5000-2500/5									
		CHR-3113R	250~5000/5	500-250/5~5000-2500/5									
		CHR-3116R	600~5000/5	600-300/5~5000-2500/5									
		CHR-3105R	300~2000/5	300-150/5~2000-1000/5	-	-	40VA	n 〉 20	5P20	30VA		n 〉 20	
		CHR-3107R	300~4000/5	300-150/5~4000-2000/5									
		CHR-3111R	400~5000/5	400-200/5~5000-2500/5									
		CHR-3113R	500~5000/5	500-250/5~5000-2500/5									
		CHR-3116R	1200~5000/5	1200-600/5~5000-2500/5									
CHR-31R (12~17.5kV)	Relaying (3'ry Winding)	CHR-3105RT	300~2000/5 100/5	300-150/5~2000-1000/5 100/5	-	-	1P/5G	40VA /15VA	n 〉 20	-	-	-	
		CHR-3107RT	150~4000/5 100/5	300-150/5~4000-2000/5 100/5									
		CHR-3111RT	200~5000/5 100/5	400-200/5~5000-2500/5 100/5									
		CHR-3113RT	250~5000/5 100/5	500-250/5~5000-2500/5 100/5									

※ 2 Core, 3 Core 사양은 별도 문의 바랍니다.

■ 외형치수/ Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-32(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 7.2~17.5kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type>window type) CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-3205(R)	Ø55	≒ 50kg
CHR-3207(R)	Ø70	≒ 46kg
CHR-3211(R)	Ø110	≒ 42kg
CHR-3213(R)	Ø135	≒ 30kg
CHR-3216(R)	Ø165	≒ 28kg

■ 계기용 / Measuring Application

Type	CHR-32			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	17.25 / 39 / 100kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1.0			
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			

■ 계전기용 / Relaying Application

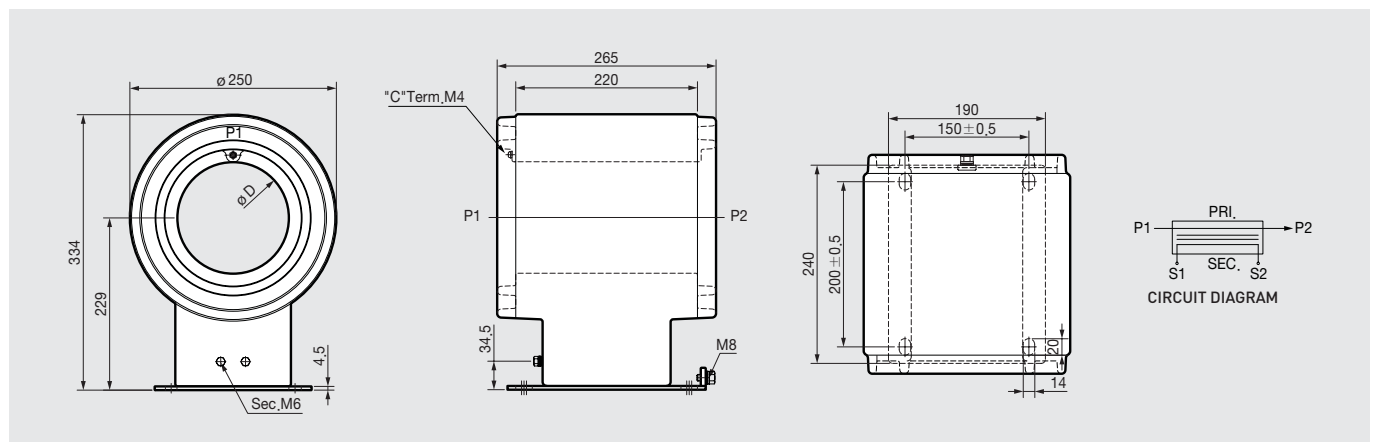
Type	CHR-32R			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	17.25 / 39 / 115kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	300~4000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	40VA		30VA	
오차계급 / Accuracy Class	1P		5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n ≧ 10		n ≧ 10	n ≧ 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2			
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n 〉	Class	Burden	n 〉	
CHR-32 (12~17.5kV)	Measuring	CHR-3205	50~2000/5	100-50/5~2000-1000/5	1.0	15VA	-	-	-	1.0	15VA	-	
		CHR-3207	50~4000/5	100-50/5~4000-2000/5									
		CHR-3211	75~5000/5	150-75/5~5000-2500/5									
		CHR-3213	75~5000/5	150-75/5~5000-2500/5									
		CHR-3216	150~5000/5	300-150/5~5000-2500/5									
		CHR-3205	75~2000/5	150-75/5~2000-1000/5		40VA	-	-	-		30VA	-	
		CHR-3207	100~4000/5	200-100/5~4000-2000/5									
		CHR-3211	100~5000/5	200-100/5~5000-2500/5									
		CHR-3213	150~5000/5	300-150/5~5000-2500/5									
		CHR-3216	200~5000/5	400-200/5~5000-2500/5									
	Relaying	CHR-3205R	50~2000/5	100-50/5~2000-1000/5	-	-	15VA	n 〉 10	5P10	15VA	n 〉 10		
		CHR-3207R	50~4000/5	100-50/5~4000-2000/5									
		CHR-3211R	75~5000/5	150-75/5~5000-2500/5									
		CHR-3213R	75~5000/5	150-75/5~5000-2500/5									
		CHR-3216R	150~5000/5	300-150/5~5000-2500/5									
		CHR-3205R	75~2000/5	150-75/5~2000-1000/5	-	-			40VA	n 〉 20		5P20	30VA
		CHR-3207R	100~4000/5	200-100/5~4000-2000/5									
		CHR-3211R	150~5000/5	300-150/5~5000-2500/5									
		CHR-3213R	200~5000/5	400-200/5~5000-2500/5									
		CHR-3216R	400~5000/5	800-400/5~5000-2500/5									
		CHR-3205R	200~2000/5	200-100/5~2000-1000/5	-	-	40VA	n 〉 20	5P20	30VA		n 〉 20	
		CHR-3207R	200~4000/5	200-100/5~4000-2000/5									
		CHR-3211R	250~5000/5	240-120/5~5000-2500/5									
		CHR-3213R	400~5000/5	400-200/5~5000-2500/5									
		CHR-3216R	800~5000/5	800-400/5~5000-2500/5									
	Relaying (3 ry Winding)	CHR-3205RT	200~2000/5 100/5	200-100/5~2000-1000/5 100/5	-	-	1P/5G	40VA /15VA	n 〉 20	-	-	-	
		CHR-3207RT	200~4000/5 100/5	200-100/5~4000-2000/5 100/5									
		CHR-3211RT	250~5000/5 100/5	240-120/5~5000-2500/5 100/5									
		CHR-3213RT	400~5000/5 100/5	400-200/5~5000-2500/5 100/5									

※ 2 Core, 3 Core 사양은 별도 문의 바랍니다.

■ 외형치수/Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-42(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 12~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type>window type) CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-4205(R)	Ø55	≒ 54kg
CHR-4207(R)	Ø70	≒ 50kg
CHR-4211(R)	Ø110	≒ 46kg
CHR-4213(R)	Ø135	≒ 34kg
CHR-4216(R)	Ø165	≒ 32kg

■ 계기용 / Measuring Application

Type	CHR-42	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	25.8kV	24kV
절연계급 / Insulation Level	25.8 / 50 / 150kV(125kV)	24 / 50 / 125kV(95kV)
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	300~5000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1.0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	

■ 계전기용 / Relaying Application

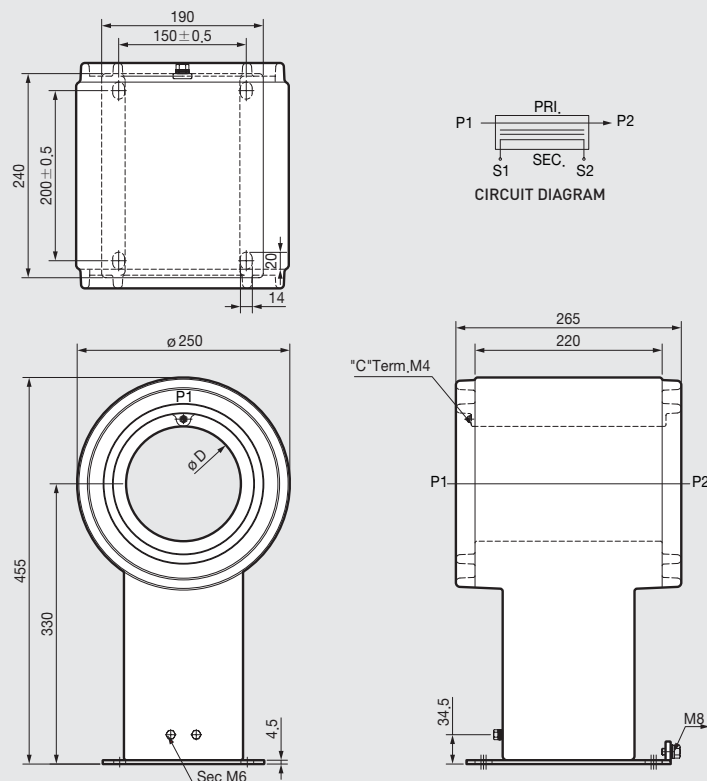
Type	CHR-42R		
규격 / Standard	JEC 1201	IEC 61869-2	
최고회로전압 / Max. Voltage	23kV	24kV	
절연계급 / Insulation Level	23 / 50 / 150kV	24 / 50 / 125kV(95kV)	
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)		
정격1차전류 / Rated Primary Current	300~5000A		
정격2차전류 / Rated Secondary Current	5 or 1A		
정격부담 / Rated Burden	40VA	30VA	
오차계급 / Accuracy Class	1P	5P10 or 10P10	5P20 or 10P20
과전류 정수 / Over Current Factor	n ≧ 10	n ≧ 10	n ≧ 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)		

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2			
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n 〉	Class	Burden	n 〉	
CHR-42 24kV (12~25.8kV)	Measuring	CHR-4205	50~2000/5	100-50/5~2000-1000/5	1.0	15VA	-	-	-	1.0	15VA	-	
		CHR-4207	50~4000/5	100-50/5~4000-2000/5									
		CHR-4211	75~5000/5	150-75/5~5000-2500/5									
		CHR-4213	75~5000/5	150-75/5~5000-2500/5									
		CHR-4216	150~5000/5	300-150/5~5000-2500/5									
		CHR-4205	75~2000/5	150-75/5~2000-1000/5		40VA	-	-	-		30VA	-	
		CHR-4207	100~4000/5	200-100/5~4000-2000/5									
		CHR-4211	100~5000/5	200-100/5~5000-2500/5									
		CHR-4213	150~6000/5	300-150/5~6000-3000/5									
		CHR-4216	1000~1500/5	-									
	Relaying	CHR-4205R	50~2000/5	100-50/5~2000-1000/5	-	-	1P	15VA	n 〉 10	5P10	15VA	n 〉 10	
		CHR-4207R	50~4000/5	100-50/5~4000-2000/5									
		CHR-4211R	75~5000/5	150-75/5~5000-2500/5									
		CHR-4213R	120~6000/5	300-150/5~6000-3000/5									
		CHR-4216R	1000~1500/5	-	-	-		40VA	n 〉 20	5P20	30VA	n 〉 20	
		CHR-4205R	100~2000/5	200-100/5~2000-1000/5									
		CHR-4207R	100~4000/5	200-100/5~4000-2000/5									
		CHR-4211R	200~5000/5	400-200/5~5000-2500/5									
		CHR-4213R	300~6000/5	600-300/5~6000-3000/5									
		CHR-4205R	200~2000/5	200-100/5~2000-1000/5	-	-		40VA	n 〉 20	5P20	30VA	n 〉 20	
		CHR-4207R	200~4000/5	200-100/5~4000-2000/5									
		CHR-4211R	400~5000/5	400-200/5~5000-2500/5									
		CHR-4213R	600~5000/5	600-300/5~5000-2500/5									

※ 2 Core, 3 Core 사양은 별도 문의 바랍니다.

■ 외형치수/ Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-33(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 12~17.5kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type>window type] CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

■ Standard Dimension

Type	In Dia(D)	Weight(kg)
CHR-3307(R)	Ø70	≒ 70
CHR-3311(R)	Ø110	≒ 43
CHR-3313(R)	Ø135	≒ 35
CHR-3315(R)	Ø155	≒ 31

■ 계기용 / Measuring Application

Type	CHR-33			
규격 / Standard	KS C 1706		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 95kV(75kV)	17.25 / 39 / 100kV	12 / 28 / 75kV	17.5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)			
정격1차전류 / Rated Primary Current	100A~8000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1.0			
정격연속 열전류 / Rated Continuous Thermal Current	1.2In			
주파수 / Frequency	60Hz (option : 50Hz)			

■ 계전기용 / Relaying Application

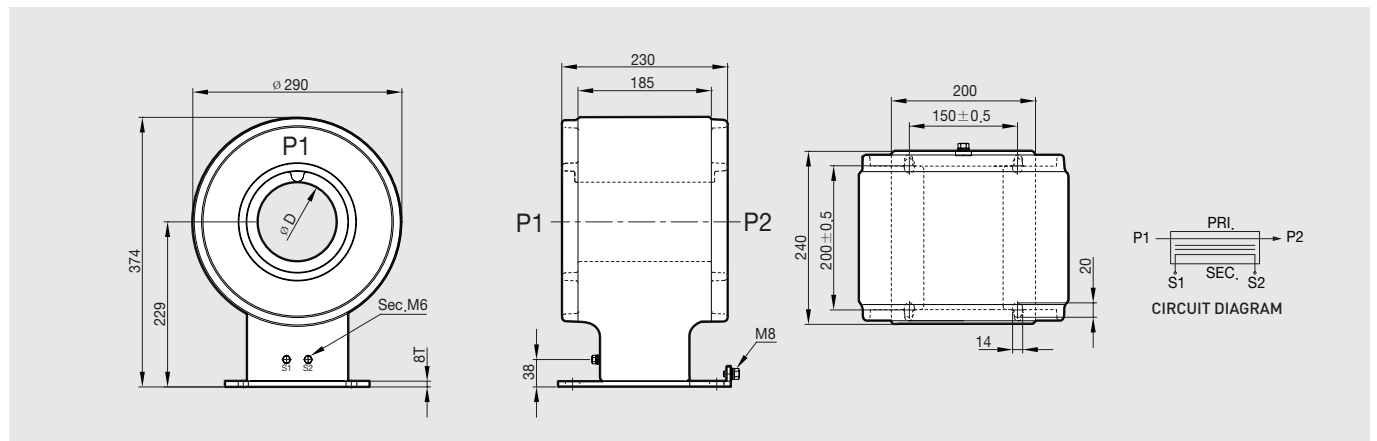
Type	CHR-33R			
규격 / Standard	JEC 1201		IEC 61869-2	
최고회로전압 / Max. Voltage	11.5kV	17.25kV	12kV	17.5kV
절연계급 / Insulation Level	11.5 / 28 / 90kV(75kV)	17.25 / 39 / 115kV	12 / 28 / 75kV	17,5 / 38 / 95kV
단시간 전류 / Short time Current Max.kA	40In (Max, 50kA/1sec)			
정격1차전류 / Rated Primary Current	100~8000A			
정격2차전류 / Rated Secondary Current	5 or 1A			
정격부담 / Rated Burden	15 or 40VA			
오차계급 / Accuracy Class	1P		5P or 10P	
과전류 정수 / Over Current Factor	n > 10 or n > 20		n > 10 or n > 20	
정격연속 열전류 / Rated Continuous Thermal Current	1.1In		1.2In	
주파수 / Frequency	60Hz (option : 50Hz)			

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n 〉	Class	Burden	n 〉
CHR-33	Measuring	CHR-3307	50~4000/5	100-50/5~4000-2000/5	1.0	15VA	-	-	-	1.0	15VA	-
		CHR-3311	70~5000/5	150-75/5~5000-2500/5								
		CHR-3313	80~8000/5	150-75/5~5000-2500/5								
		CHR-3315	100~8000/5	200-100/5~8000-4000/5								
		CHR-3307	1000~4000/5	200-100/5~8000-4000/5		40VA	-	-	-		30VA	-
		CHR-3311	100~5000/5	200-100/5~8000-4000/5								
		CHR-3313	120~8000/5	300-150/5~8000-4000/5								
		CHR-3315	150~8000/5	300-150/5~8000-4000/5								
	Relaying	CHR-3307R	50~4000/5	100-50/5~4000-2000/5	-	-	15VA	n 〉 10	5P10	15VA	n 〉 10	
		CHR-3311R	70~5000/5	150-75/5~5000-2500/5								
		CHR-3313R	80~8000/5	150-75/5~8000-4000/5								
		CHR-3315R	100~8000/5	200-100/5~8000-4000/5								
		CHR-3307R	100~8000/5	200-100/5~4000-2000/5	-	-	1P	40VA	30VA			
		CHR-3311R	150~8000/5	300-150/5~5000-2500/5								
		CHR-3313R	200~8000/5	400-200/5~8000-4000/5								
		CHR-3315R	200~8000/5	400-200/5~8000-4000/5								
		CHR-3307R	200~4000/5	400-200/5~4000-2000/5	-	-	40VA	n 〉 20	5P20	30VA	n 〉 20	
		CHR-3311R	250~5000/5	500-250/5~5000-2500/5								
		CHR-3313R	300~8000/5	600-300/5~8000-4000/5								
		CHR-3315R	400~8000/5	800-400/5~8000-4000/5								
	Relaying (3' ry Winding)	CHR-3307RT	200~4000/5 100/5	400-200/5~5000-2500/5 100/5	-	-	1P/5G	40VA /15VA	n 〉 20	-	-	-
		CHR-3311RT	250~5000/5 100/5	500-250/5~5000-2500/5 100/5								
		CHR-3313RT	300~8000/5 1000/5	600-300~8000-4000/5 100/5								
		CHR-3315RT	400~8000/5 100/5	800-400/5~8000-4000/5 100/5								

※ 2 Core, 3 Core 사양은 별도 문의 바랍니다.

■ 외형치수/ Dimension





고압 계기용 및 계전기용 변류기

Medium Voltage Current Transformer



CHR-5(R)

배전반용 / For Switchgear

최고회로 전압

Max.Voltage: 12~25.8kV

■ 특징 / Feature

- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 부스바 관통형 / Busbar or Cable Through Type
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

※ K(P1)side, L(P2)side 선택 주문 가능합니다 (Side Type can be selected)

※ 최고회로전압이 6.9kV 이상의 Busbar 관통형인 제품에는 CT 표면과 1차 도체 사이에서 발생 할 수 있는 Corona, 뇌충격내전압 등의 발생을 방지하기 위하여 "C" 단자가 설치되어있으니 "C" 단자를 부스바에 연결하여 사용하세요.
(As for the busbar through type(window type) CT, when the highest circuit voltage is over 6.9kV, the "C" terminal is installed to prevent the occurrence of corona and R.I.V that may occur between primary conductor and the CT surface. Therefore, "C" terminal shall be connected to busbar.)

■ Standard Dimension

Type	In Dia(D)	Weight
CHR-507(R)	Ø70	≒ 76kg
CHR-511(R)	Ø110	≒ 49kg
CHR-513(R)	Ø135	≒ 41kg
CHR-515(R)	Ø155	≒ 37kg

■ 계기용 / Measuring Application

Type	CHR-5	
규격 / Standard	KS C 1706	IEC 61869-2
최고회로전압 / Max. Voltage	25.8kV	24kV
절연계급 / Insulation Level	25.8 / 50 / 125kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	100~8000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1.0	
정격연속 열전류 / Rated Continuous Thermal Current	1.2In	
주파수 / Frequency	60Hz (option : 50Hz)	

■ 계전기용 / Relaying Application

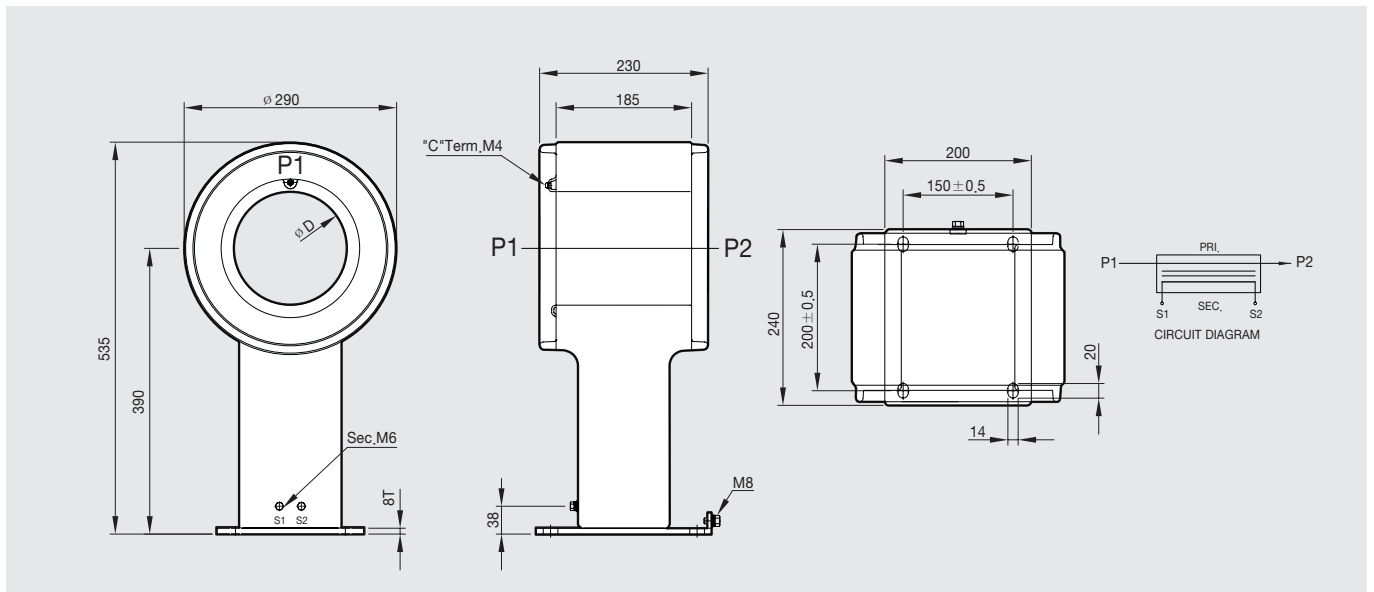
Type	CHR-5R	
규격 / Standard	JEC 1201	IEC 61869-2
최고회로전압 / Max. Voltage	23kV	24kV
절연계급 / Insulation Level	23 / 50 / 150kV	24 / 50 / 125kV
단시간 전류 / Short time Current Max.kA	40In (Max. 50kA/1sec)	
정격1차전류 / Rated Primary Current	200~8000A	
정격2차전류 / Rated Secondary Current	5 or 1A	
정격부담 / Rated Burden	15 or 40VA	
오차계급 / Accuracy Class	1P	5P or 10P
과전류 정수 / Over Current Factor	n > 10 or n > 20	n > 10 or n > 20
정격연속 열전류 / Rated Continuous Thermal Current	1.1In	1.2In
주파수 / Frequency	60Hz (option : 50Hz)	

■ 사양 / Specification

Type	용도 Service	Type	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
			단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	n 〉	Class	Burden	n 〉
CHR-5	Measuring	CHR-507	75~4000/5	150-75/5~4000-2000/5	1.0	15VA	-	-	-	1.0	15VA	-
		CHR-511	100~5000/5	200-100/5~5000-2500/5								
		CHR-513	100~8000/5	200-100/5~8000-4000/5								
		CHR-515	120~8000/5	300-150/5~8000-4000/5								
		CHR-507	120~4000/5	300-150/5~4000-2000/5		40VA	-	-	-		30VA	-
		CHR-511	150~5000/5	300-150/5~5000-2500/5								
		CHR-513	150~8000/5	300-150/5~8000-4000/5								
		CHR-515	180~8000/5	200-100/5~8000-4000/5								
	Relaying	CHR-507R	75~4000/5	150-75/5~4000-2000/5	-	-	15VA	n 〉 10	5P10	15VA	n 〉 10	
		CHR-511R	100~5000/5	200-100/5~5000-2500/5								
		CHR-513R	100~8000/5	200-100/5~8000-4000/5								
		CHR-515R	120~8000/5	300-150/5~8000-4000/5								
		CHR-507R	150~4000/5	300-150/5~4000-2000/5	-	-	1P	40VA	30VA	-		
		CHR-511R	200~5000/5	400-200/5~5000-2500/5								
		CHR-513R	250~8000/5	500-250/5~8000-4000/5								
		CHR-515R	300~8000/5	600-300/5~8000-4000/5								
		CHR-507R	250~4000/5	500-250/5~4000-2000/5	-	-	40VA	n 〉 20	5P20	30VA	n 〉 20	
		CHR-511R	400~5000/5	800-400/5~5000-2500/5								
		CHR-513R	500~8000/5	1000-500/5~8000-4000/5								
		CHR-515R	600~8000/5	1200-600/5~8000-4000/5								
	Relaying (3' ry Windings)	CHR-507RT	250~4000/5 100/5	500-250/5~4000-2000/5 100/5	-	-	1P/5G	40VA /15VA	n 〉 20	-	-	-
		CHR-511RT	400~5000/5100/5	800-400/5~5000-2500/5 100/5								
		CHR-513RT	500~8000/5 100/5	1000-500/5~8000-4000/5 100/5								
		CHR-515RT	600~8000/5100/5	1200-600/5~8000-4000/5 100/5								

※ 2 Core, 3 Core 사양은 별도 문의 바랍니다.

■ 외형치수/ Dimension





Combined Instrument Transformer VT, CT (OIL-TYPE)



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Certi



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No. 2016-27-010

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전력수급용 계기용 변압 · 변류기

Combined Instrument Transformer



MOF/CTE-257

배전반용 / For Switchgear

MOLD형

한전용 / For KEPCO

특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

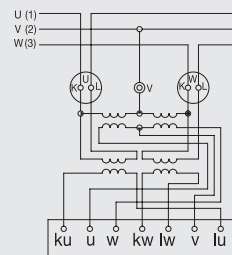
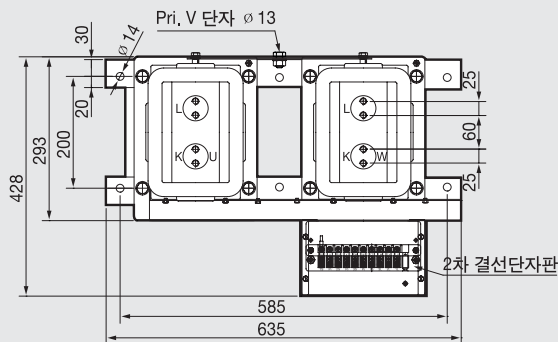
한국산업표준규격 KS C 1707(2011:전력수급용 계기용변성기) 및 KS 인증심사기준 개정에 따른 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meters or Maximum Demand Power Meters. Satisfying the Korean Industrial Standard KS C 1707(2011) and the revised and strengthened tests of KS authentication judgment standard, it has high reliability and safety.

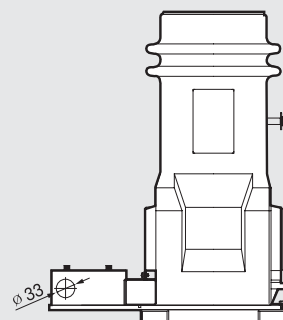
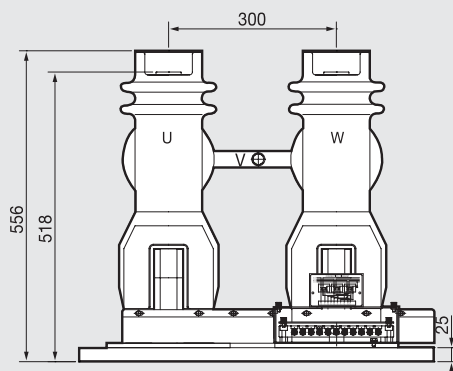
사양 / Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
7.2kV	3P3W	6600 / 110V	5/5A~15/5A	150In	0.5W	2×25VA	7.2/22/60kV	≒ 100kg
			20/5A~50/5A	75In				
			75/5A~250/5A	40In				
			300/5A~1500/5A	40In	0.3W			

외형치수 / Dimension

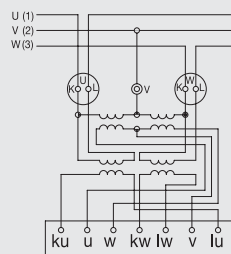
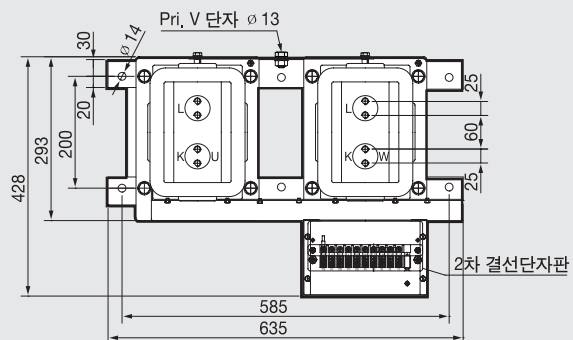


CIRCUIT DIAGRAM

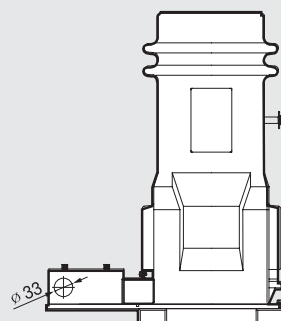
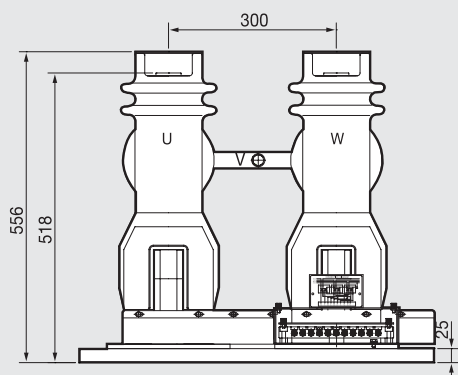


■ 외형치수/ Dimension

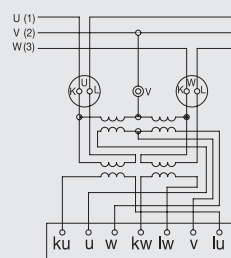
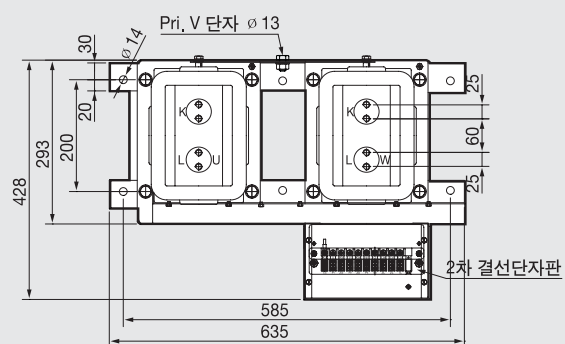
CTE-257K (Standard, K-side Type)



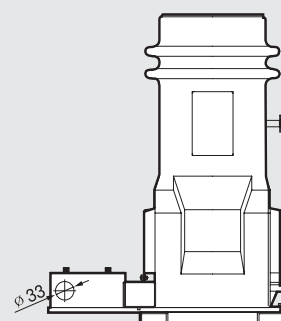
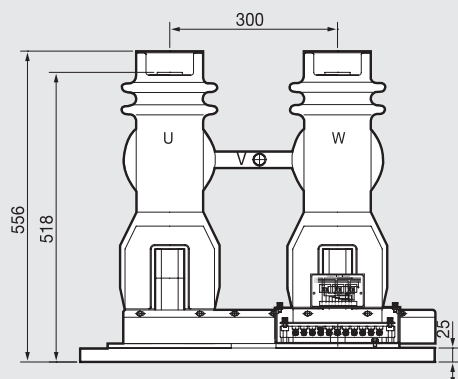
CIRCUIT DIAGRAM



CTE-257L (Order made, L-side Type)



CIRCUIT DIAGRAM





계기용 변압·변류기

Combined Instrument Transformer



MOF/CTE-257SR

송·수전겸용

한전용/For KEPCO

배전반용/For Switchgear

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

특히 기존 MOF와 달리 송·수전(1조) 용으로 설치 가능하여 비용이 절감되며, 설치공간이 감소됩니다.

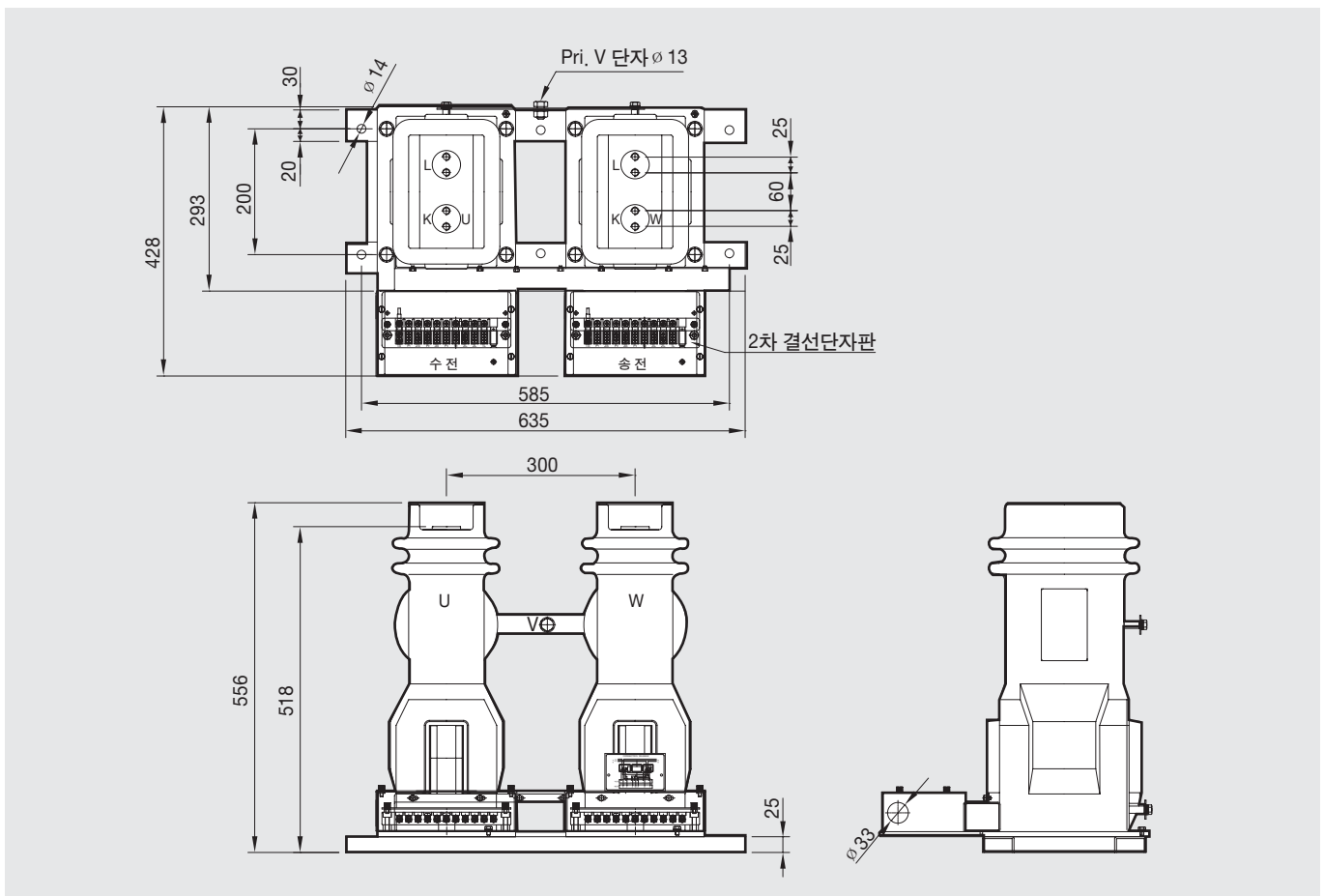
Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meter or Maximum Demand Power Meter.

Compared to the competitors, our Combined Instrument Transformer(Measuring Out Fit) can save the space and costs.

■ 사양 / Specification

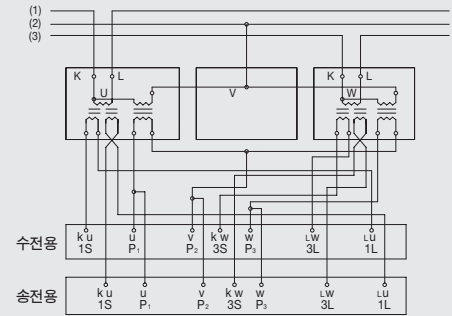
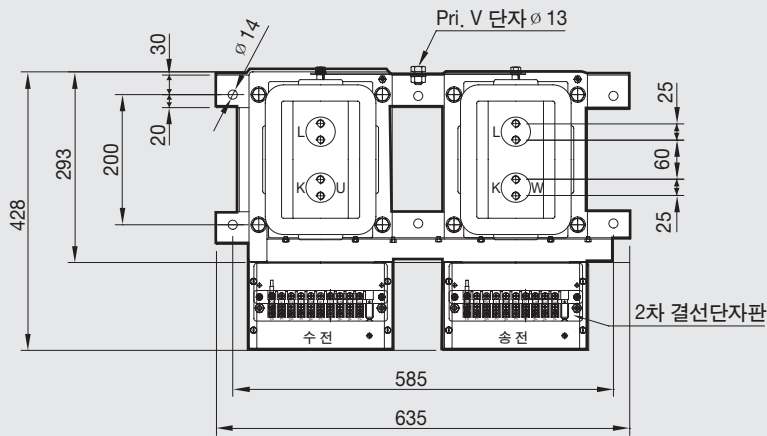
최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
7.2kV	3P3W	6600/110V	5/5A ~ 15/5A	150In	0.5W	2×25VA	7.2/22/60kV	≒ 100kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 1500/5A	40In	0.3W			

■ 외형치수 / Dimension



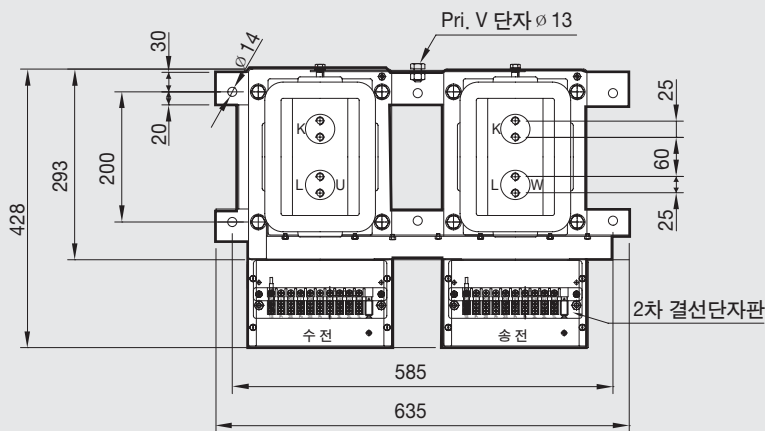
■ 외형치수/ Dimension

CTM-257SR-KU (Standard, K-side Type)

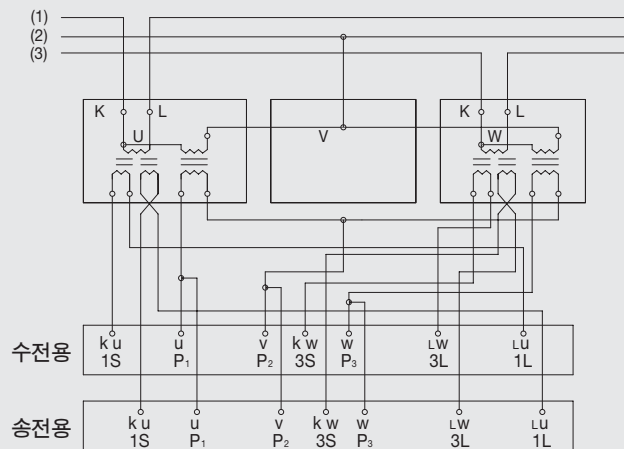


CIRCUIT DIAGRAM

CTM-257SR-LU (Order made, L-side Type)



삼상결선도(Three Phase Connection)





전력수급용 계기용 변압·변류기

Combined Instrument Transformer



MOF/CTE-25

MOLD형

배전반용 / For Switchgear

한전용 / For KEPCO

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

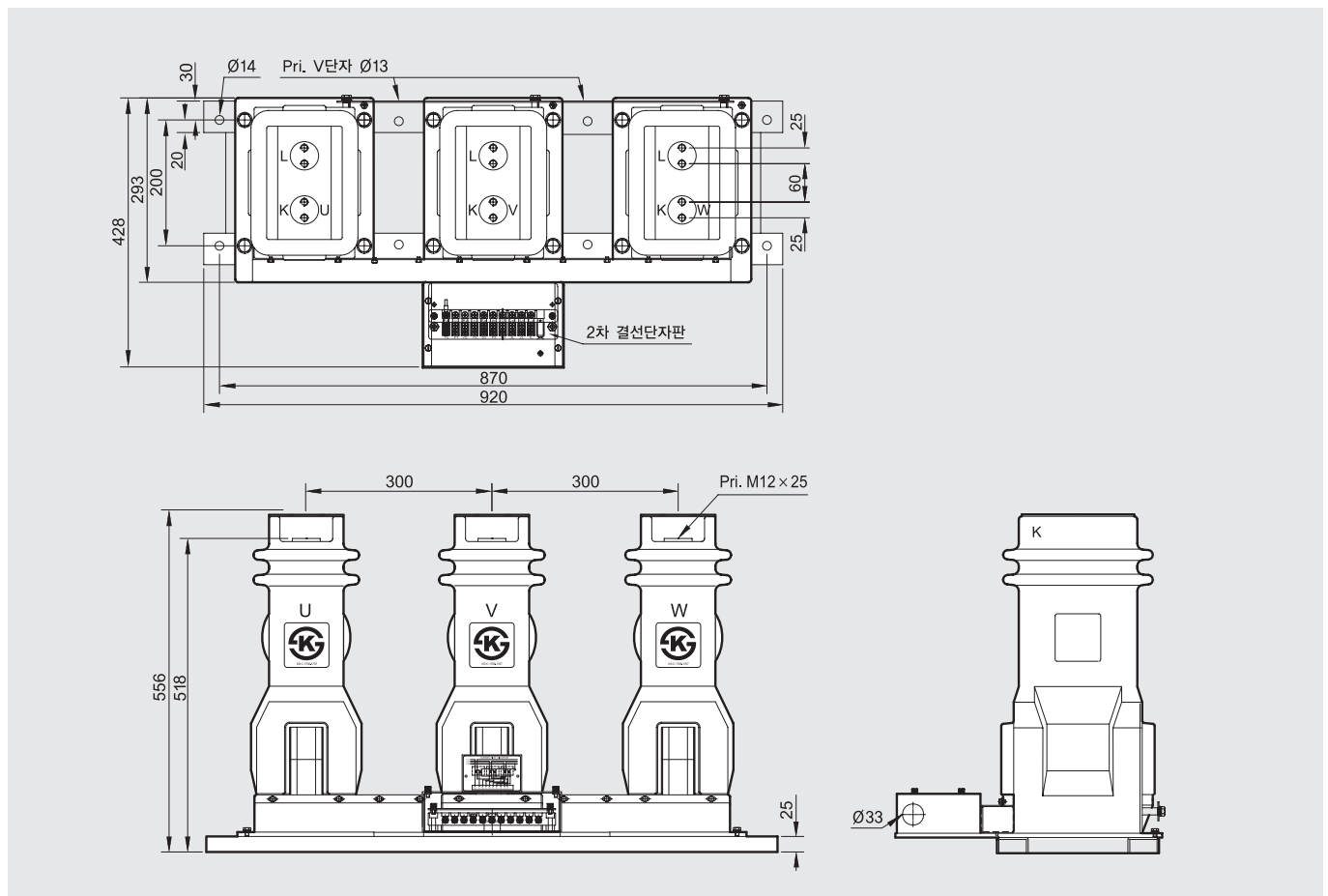
한국산업표준규격 KS C 1707(2011: 전력수급용 계기용변성기) 및 KS 인증심사기준 개정에 따른 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meters or Maximum Demand Power Meters. Satisfying the Korean Industrial Standard KS C 1707(2011) and the revised and strengthened tests of KS authentication judgment standard, it has high reliability and safety.

■ 사양 / Specification

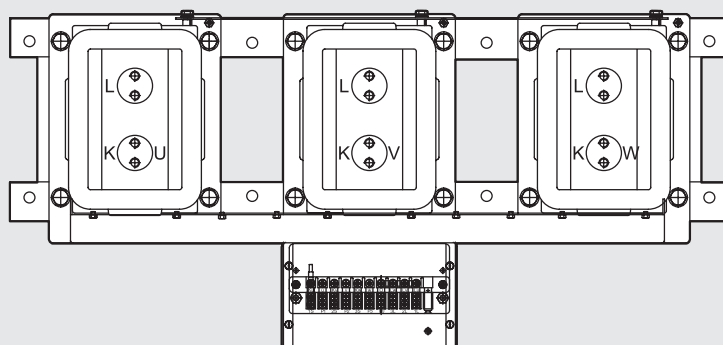
최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
25.8kV	3P4W	$\frac{22900}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	25.8/50/150kV	≈ 135kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 1500/5A	40In	0.3W			

■ 외형치수 / Dimension

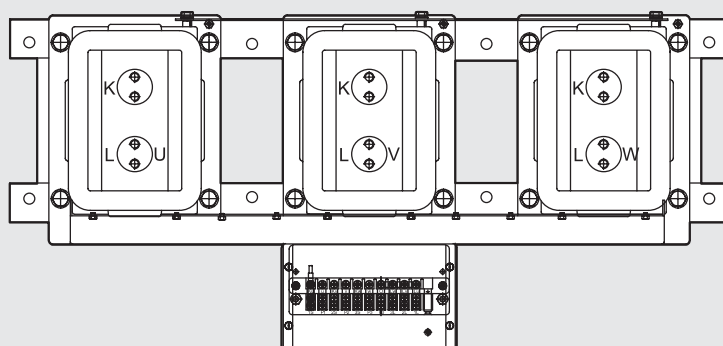


■ 외형치수/ Dimension

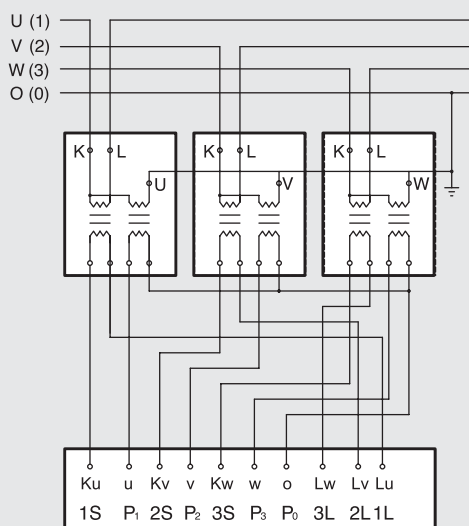
CTE-25K (Standard, K-side Type)



CTE-25L (Order made, L-side Type)



삼상결선도(Three Phase Connection)





전력수급용 계기용 변압·변류기

Combined Instrument Transformer



MOF/CTE-25M

MOLD형

배전반용 / For Switchgear

한전용 / For KEPCO

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

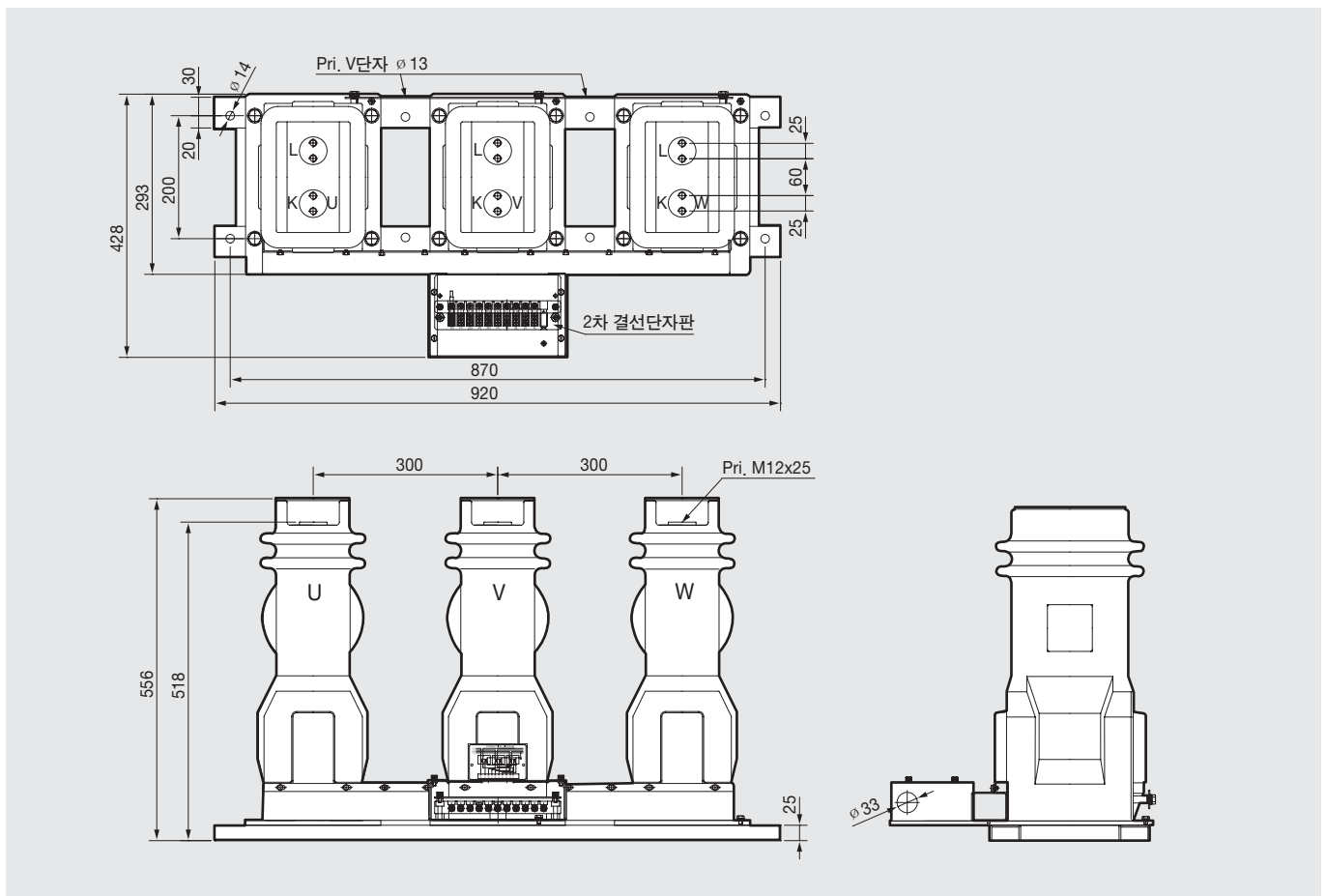
한국산업표준규격 KS C 1707(2011: 전력수급용 계기용변성기) 및 KS 인증심사기준 개정에 따른 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meters or Maximum Demand Power Meters. Satisfying the Korean Industrial Standard KS C 1707(2011) and the revised and strengthened tests of KS authentication judgment standard, it has high reliability and safety.

■ 사양 / Specification

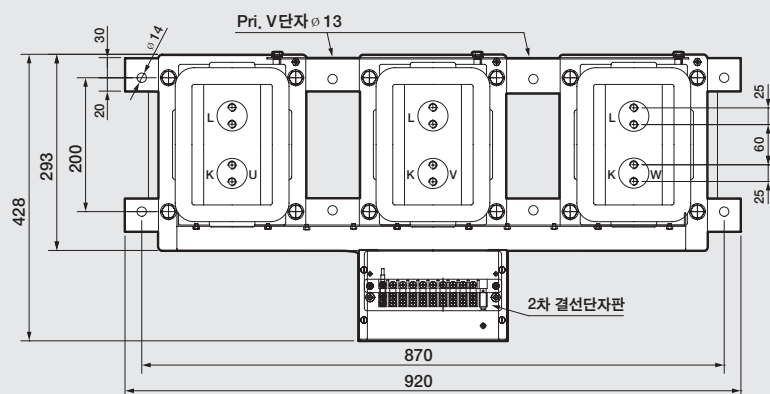
최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
25.8kV	3P4W	$\frac{229000}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	25.8/50/150kV	≈ 136kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 1500/5A	40In	0.3W			

■ 외형치수 / Dimension

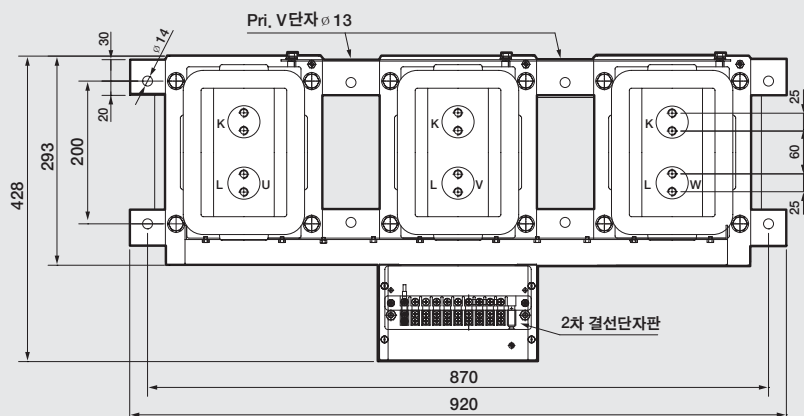


■ 외형치수/ Dimension

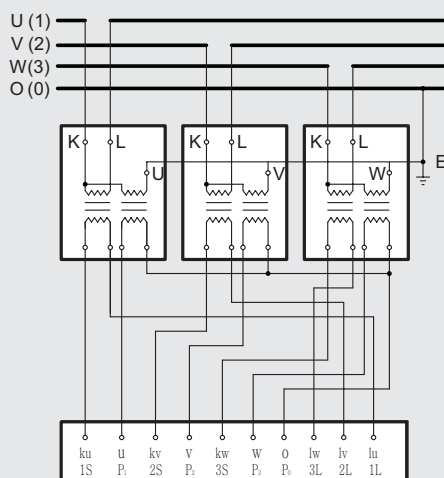
CTE-25MK (Standard, K-side Type)



CTE-25ML (Order made, L-side Type)



삼상결선도(Three Phase Connection)





전력수급용 계기용 변압 · 변류기

Combined Instrument Transformer



MOF/CTM-25

MOLD형

배전반용 / For Switchgear

한전용 / For KEPCO

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

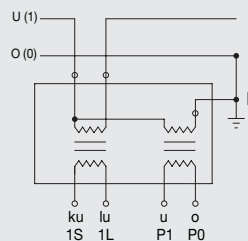
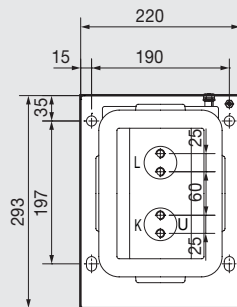
한국산업표준규격 KS C 1707(2011:전력수급용 계기용변성기) 및 KS 인증심사기준 개정에 따른 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meters or Maximum Demand Power Meters. Satisfying the Korean Industrial Standard KS C 1707(2011) and the revised and strengthened tests of KS authentication judgment standard, it has high reliability and safety.

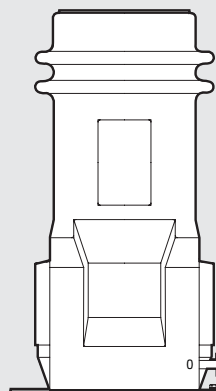
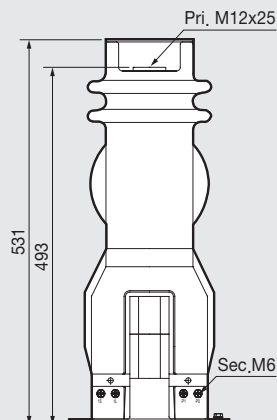
■ 사양 / Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
25.8kV	1P	$\frac{229000}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	25VA	25.8/50/150kV	≒ 42kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 1500/5A	40In	0.3W			

■ 외형치수 / Dimension

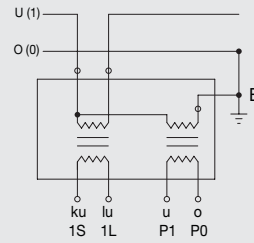
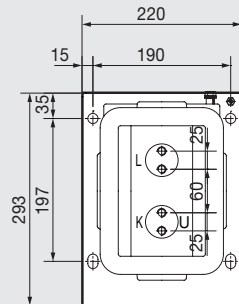


CIRCUIT DIAGRAM

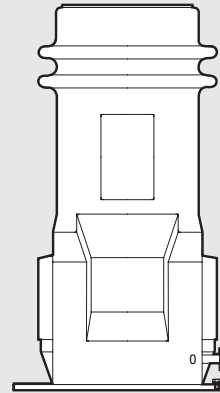
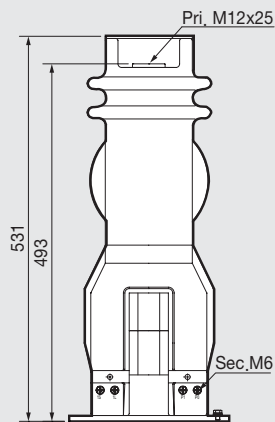


■ 외형치수/ Dimension

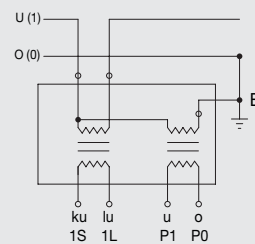
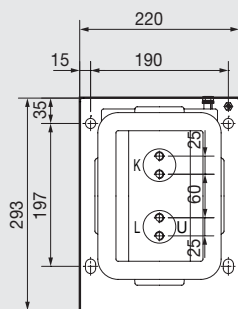
CTM-25K (Standard, K-side Type)



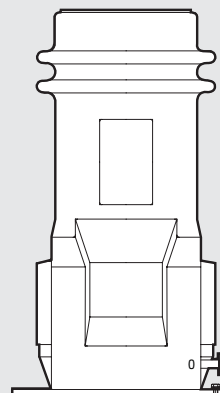
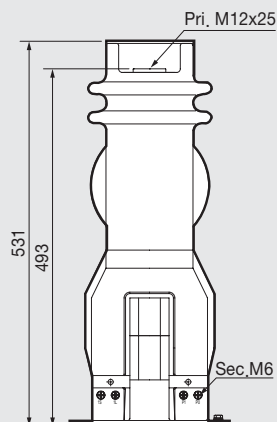
CIRCUIT DIAGRAM



CTM-25L (Order made, L-side Type)



CIRCUIT DIAGRAM





전력수급용 계기용 변압·변류기(송·수전겸용)

Combined Instrument Transformer



MOF/CTM-25SR

한전용/For KEPCO

송·수전겸용

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

특히 기존 MOF와 달리 송·수전(1조) 용으로 설치 가능하여 비용이 절감되며, 설치공간이 감소됩니다.

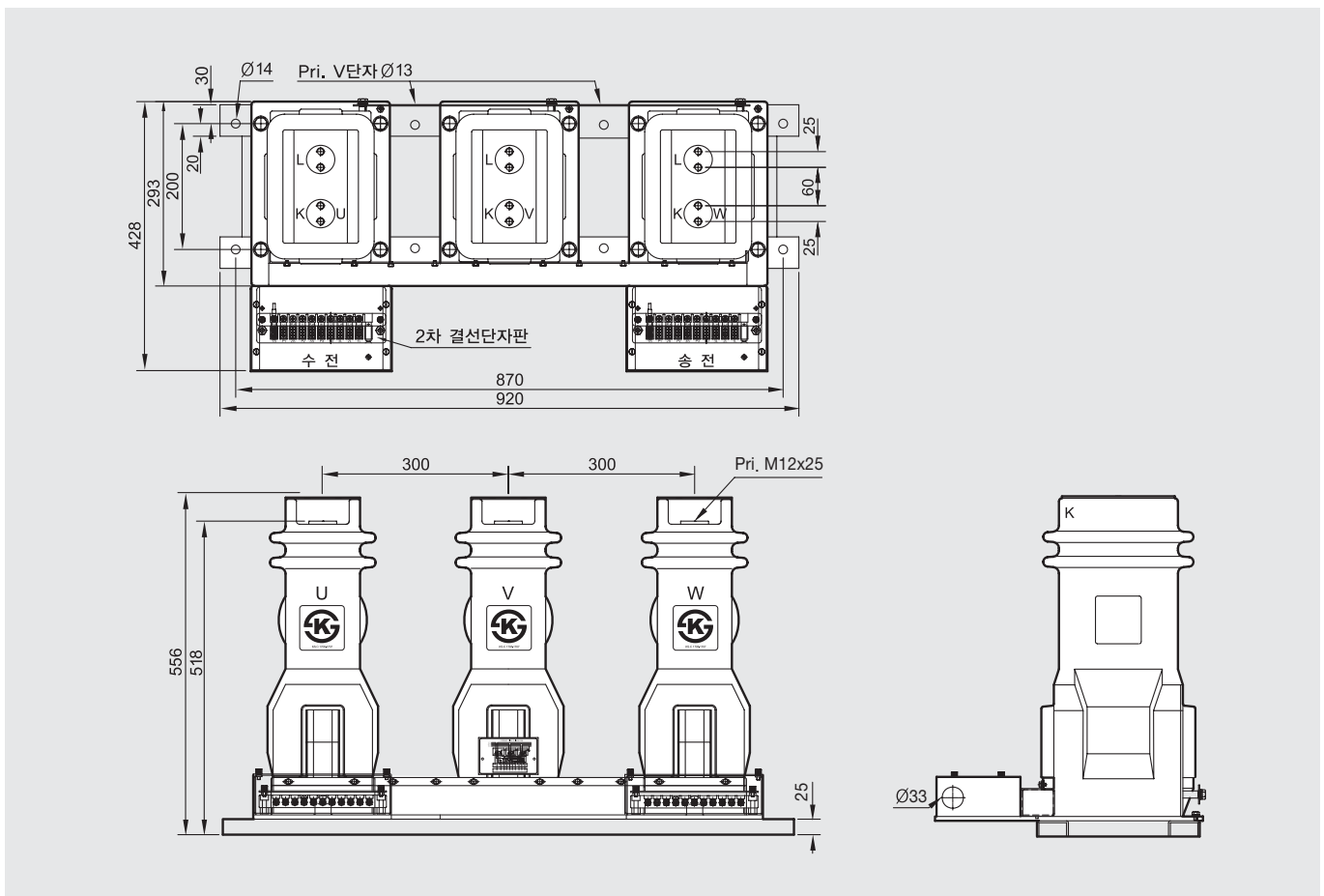
Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meter or Maximum Demand Power Meter.

Compared to the competitors, our Combined Instrument Transformer(Measuring Out Fit) can save the space and costs.

■ 사양 / Specification

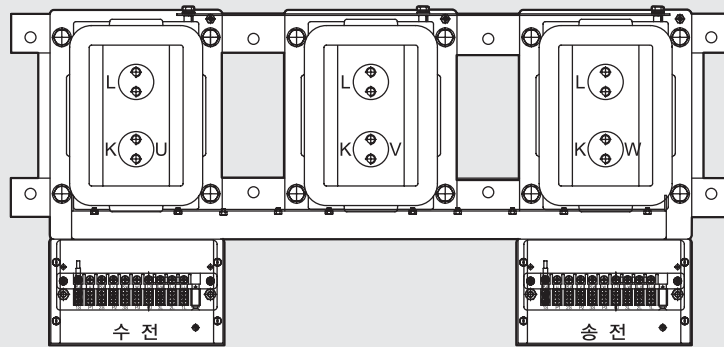
최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
25.8kV	3P4W	$\frac{22900}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	25.8/50/150kV	≒ 135kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 1500/5A	40In	0.3W			

■ 외형치수 / Dimension

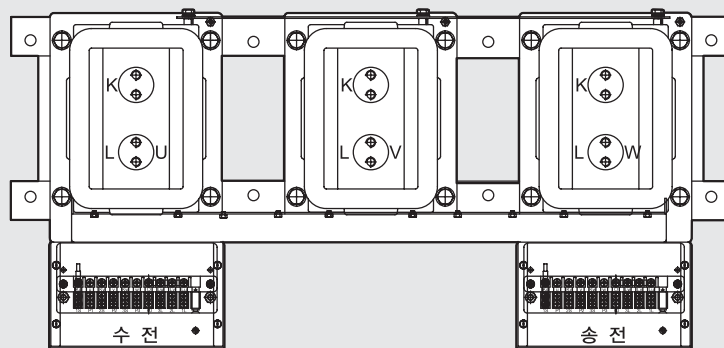


■ 외형치수/ Dimension

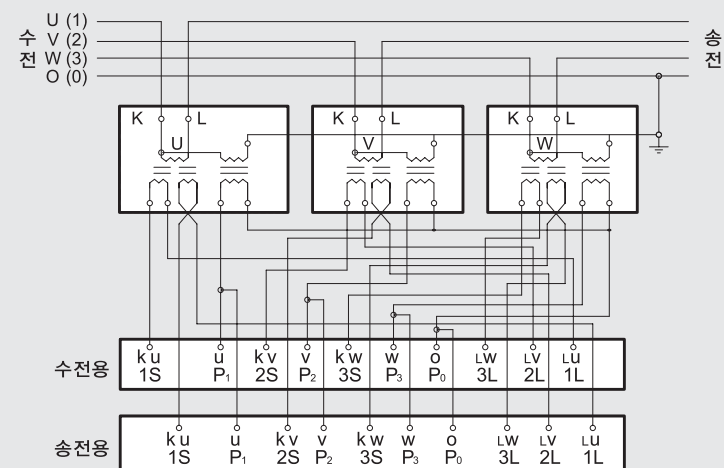
CTM-25SRK (Standard, K-side Type)



CTM-25SRL (Order Made, L-side Type)



삼상결선도(Three Phase Connection)





계기용 변압·변류기

Combined Instrument Transformer



MOF/CTE-36

배전반용 / For Switchgear

MOLD형

■ 특징 / Feature

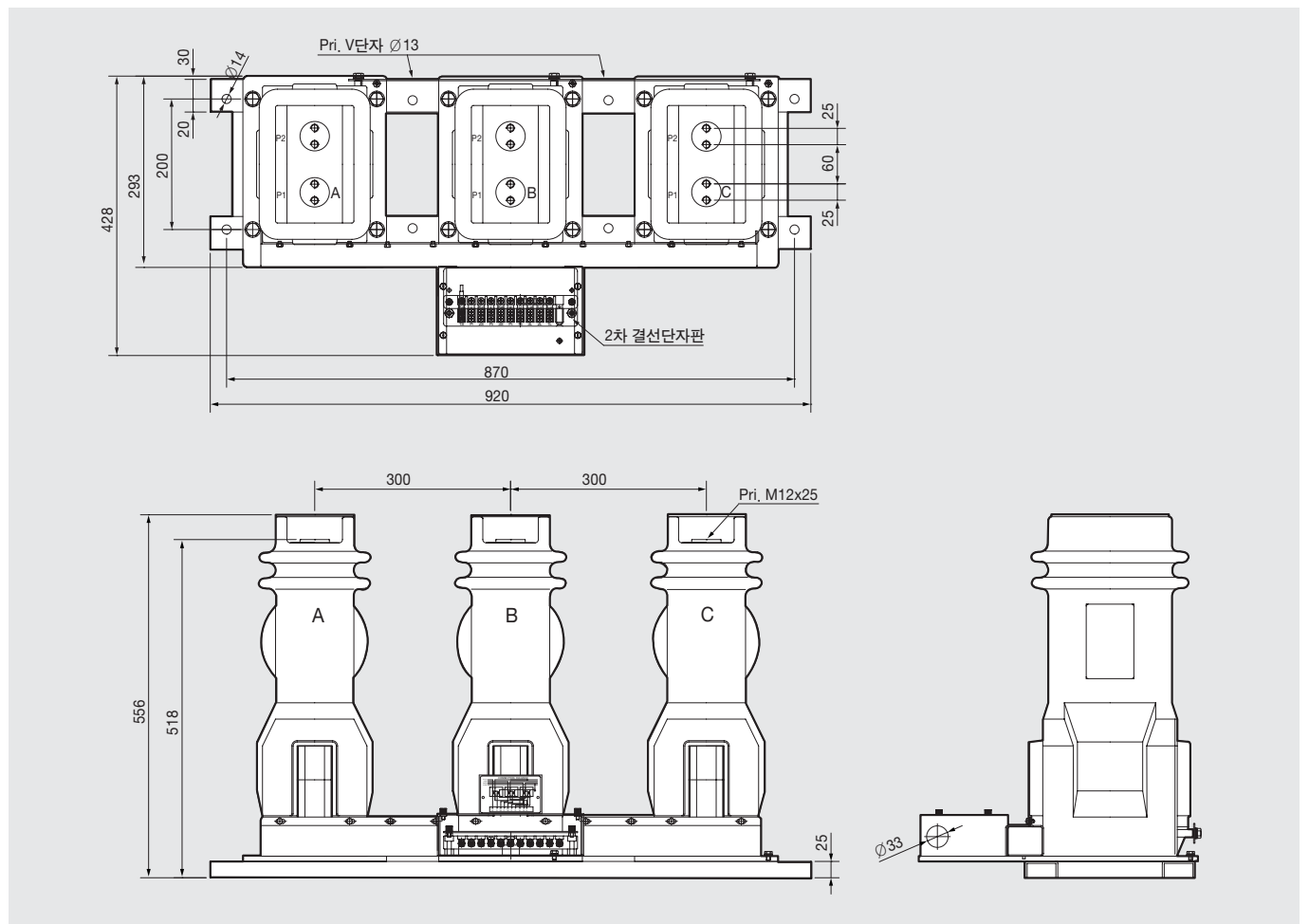
계기용 변압변류기는 국제 규격 IEC 61869-4에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다. 타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

Instrument Current Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC 61869-4. Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양 / Specification

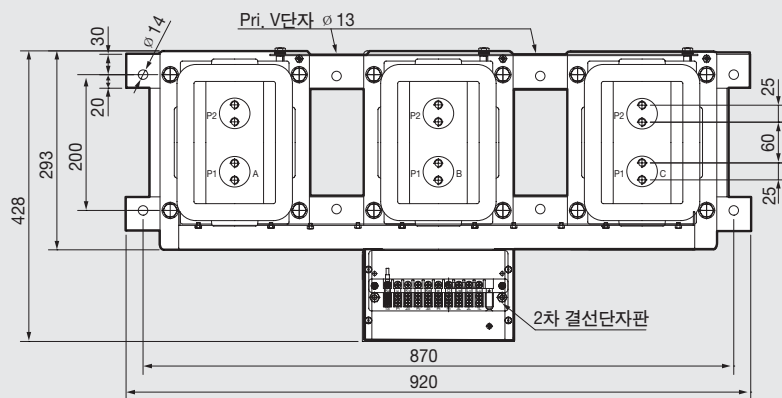
최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight(kg)
36kV	3P4W	33000 / $\sqrt{3}$ / 110/ $\sqrt{3}$ V	5/5 ~ 750/5A	40In	0.3 or 0.5	3×25VA	36/70/170kV	≒ 135kg

■ 외형치수 / Dimension

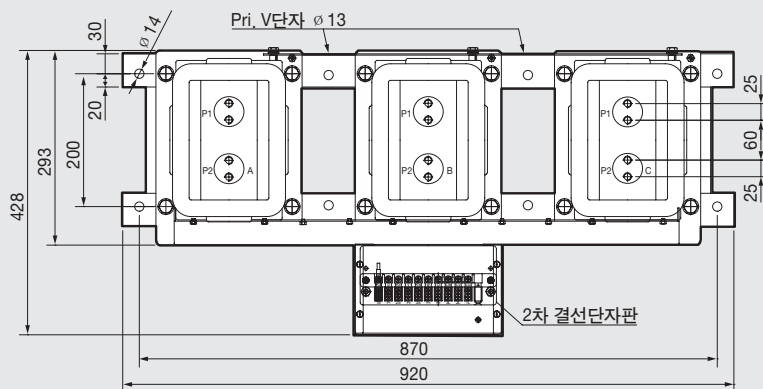


■ 외형치수/ Dimension

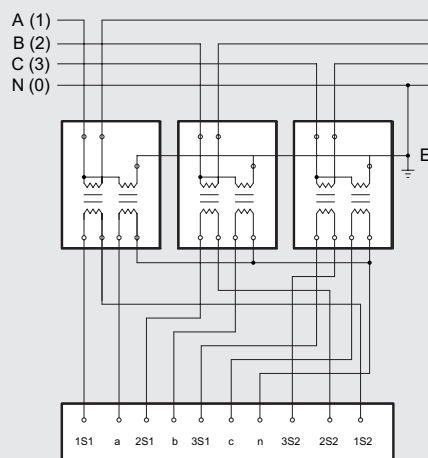
CTE-36K (Standard, K-side Type)



CTE-36L (Order made, L-side Type)



삼상결선도(Three Phase Connection)



CIRCUIT DIAGRAM



계기용 변압·변류기

Oil Filled Type Combined Instrument Transformer



CTOM-12A

배전반용 / For Switchgear

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

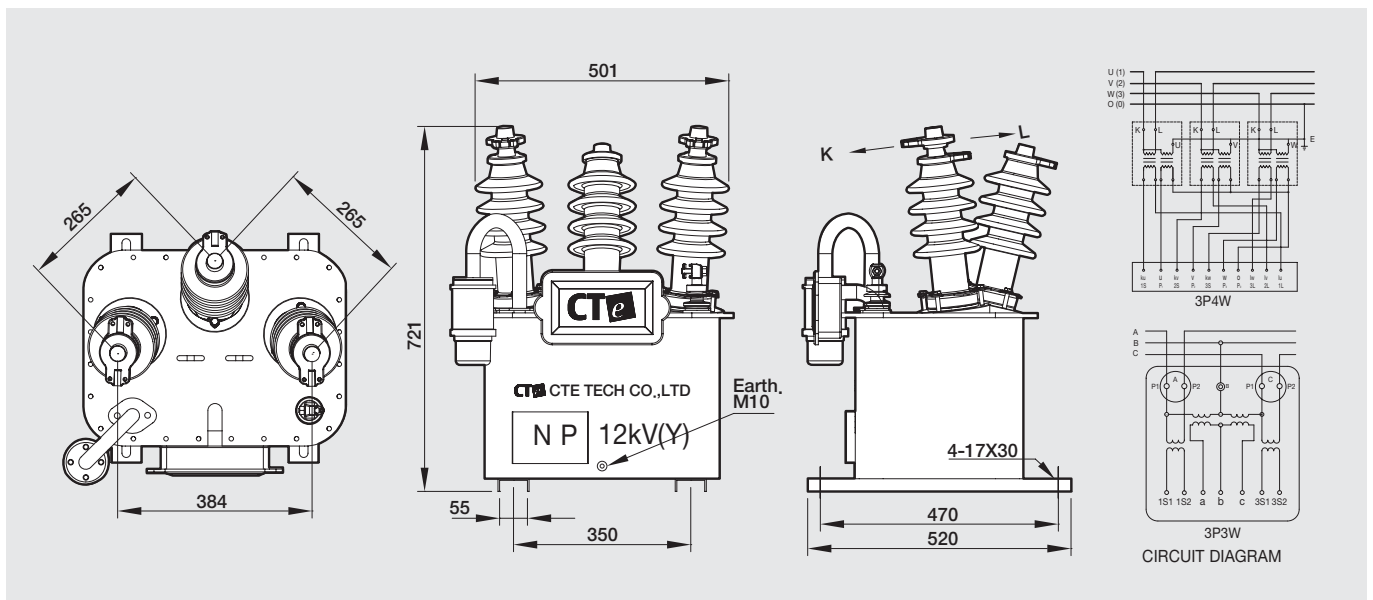
Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meter or Maximum Demand Power Meter.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양 / Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
3.6kV	3P3W	3300 / 110V	5/5A ~ 15/5A	150In	0.5	2×25VA	3.6/10/40kV	≒ 110kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
7.2kV	3P3W	6600 / 110V	5/5A ~ 15/5A	150In	0.5	2×25VA	7.2/22/60kV	≒ 110kg
			20/5A ~ 50/5A	75In	0.3			
			75/5A ~ 250/5A	40In				
12kV	3P4W	11000 / 110V	5/5A ~ 15/5A	150In	0.5	2×25VA	12/28/75kV	≒ 110kg
			20/5A ~ 50/5A	75In	0.3			
			75/5A ~ 250/5A	40In				
12kV	3P4W	$\frac{11000}{\sqrt{3}} \bigg/ \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	12/28/75kV	≒ 110kg
			20/5A ~ 50/5A	75In	0.3W			
			75/5A ~ 250/5A	40In				

■ 외형치수 / Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



전력수급용 계기용 변압변류기

Oil Filled Type Combined Instrument Transformer



MOF/CTOM-25A

배전반용 / For Switchgear

한전용 / For KEPCO

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

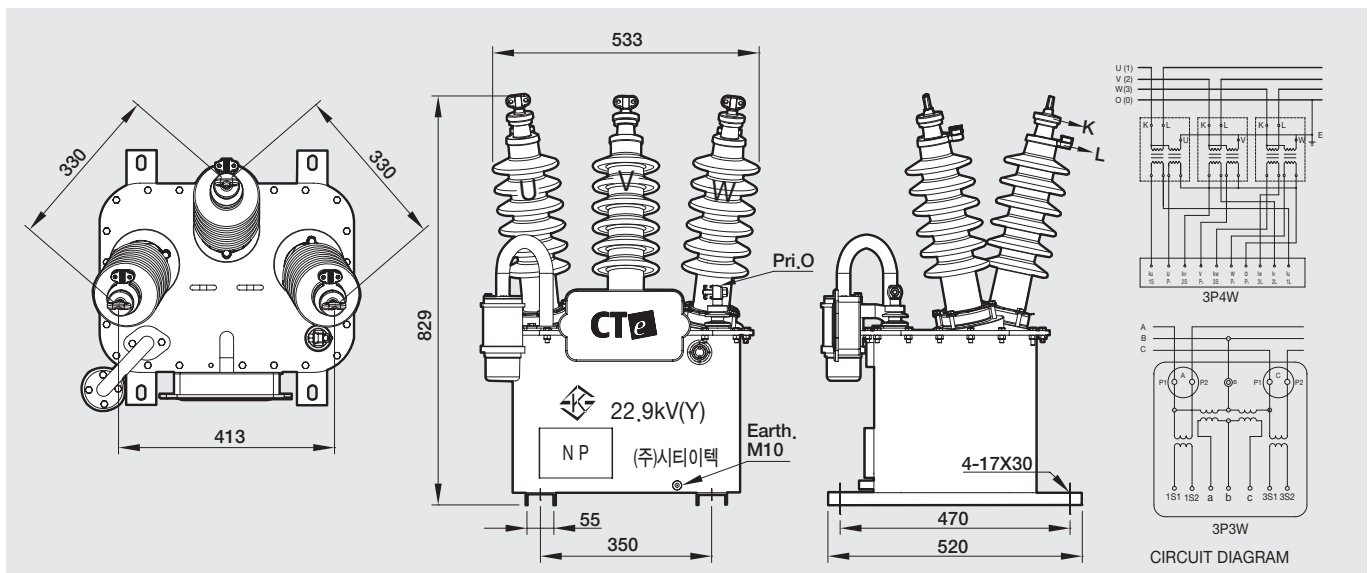
Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meter or Maximum Demand Power Meter.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양 / Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
7.2kV	3P3W	6600 / 110V	5/5A ~ 15/5A	150In	0.5W	2×25VA	7.2/22/60kV	≒ 120kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
12kV	3P3W	11000 / 110V	5/5A ~ 15/5A	150In	0.5	2x25VA	12/28/75kV	≒ 120kg
			20/5A ~ 50/5A	75In	0.3			
			75/5A ~ 250/5A	40In				
12kV	3P4W	$\frac{11000}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5	2x25VA	12/28/75kV	≒ 120kg
			20/5A ~ 50/5A	75In	0.3			
			75/5A ~ 250/5A	40In				
25.8kV	3P4W	$\frac{22900}{\sqrt{3}} / \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	25.8/50/150kV	≒ 120kg
			20/5A ~ 50/5A	75In	0.3W			
			75/5A ~ 250/5A	40In				

■ 외형치수 / Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



계기용 변압변류기

Oil Filled Type Combined Instrument Transformer



MOF/CTOM-25

배전반용 / For Switchgear

한전용 / For KEPCO

■ 특징 / Feature

전력수급용 계기용 변압변류기는 전력량계, 무효전력량계 또는 최대수요전력량계와 조합하여 사용합니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

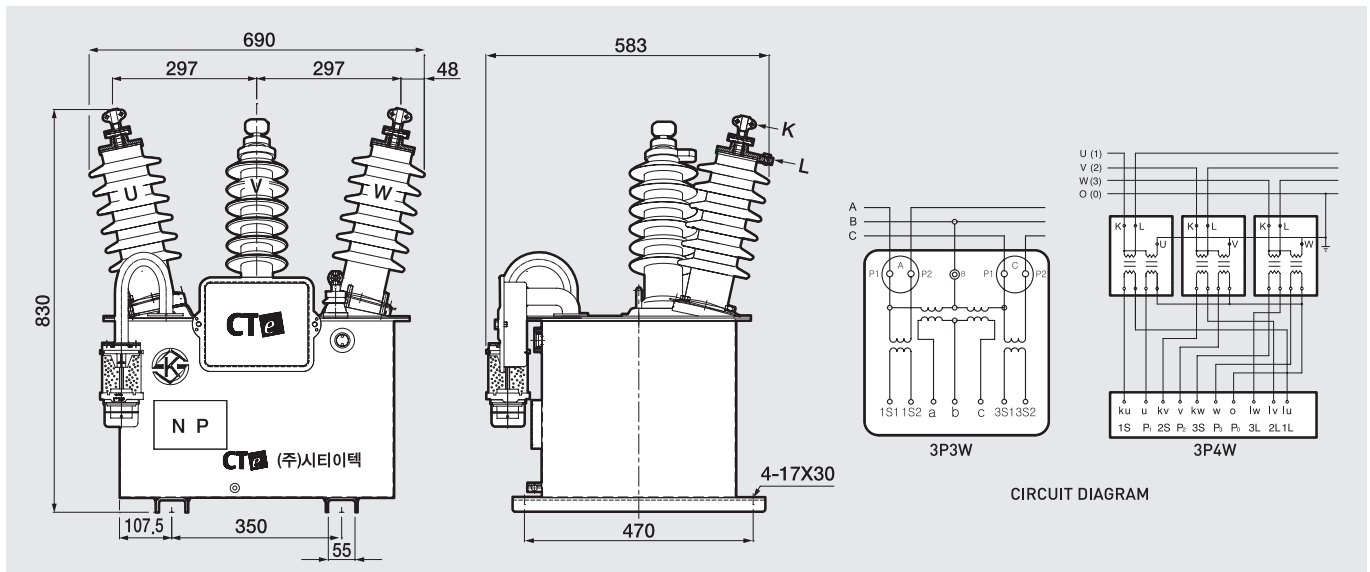
Combined Instrument Transformer(Metering Out Fit) is used with the combination of Watt-Hour Meter, Var-hour(reactive energy) Meter or Maximum Demand Power Meter.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양 / Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
7.2kV	3P3W	6600 / 110V	5/5A ~ 15/5A	150In	0.5W	2×25VA	7.2/22/60kV	≒ 160kg
			29/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In				
			300/5A ~ 400/5A					
12kV	3P3W	11000 / 110V	5/5A ~ 15/5A	150In	0.5	2x25VA	12/28/75kV	≒ 160kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In	0.3			
			300/5A ~ 750/5A					
12kV	3P4W	$\frac{11000}{\sqrt{3}} \bigg/ \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5	2x25VA	12/28/75kV	≒ 160kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In	0.3			
			300/5A ~ 750/5A					
25.8kV	3P4W	$\frac{22900}{\sqrt{3}} \bigg/ \frac{190}{\sqrt{3}} \text{ V}$	5/5A ~ 15/5A	150In	0.5W	3×25VA	25.8/50/150kV	≒ 160kg
			20/5A ~ 50/5A	75In				
			75/5A ~ 250/5A	40In	0.3W			
			300/5A ~ 400/5A					

■ 외형치수 / Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



CTOM-36

■ 특징/Feature

계기용 변압변류기는 국제 규격 IEC 61869-4에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

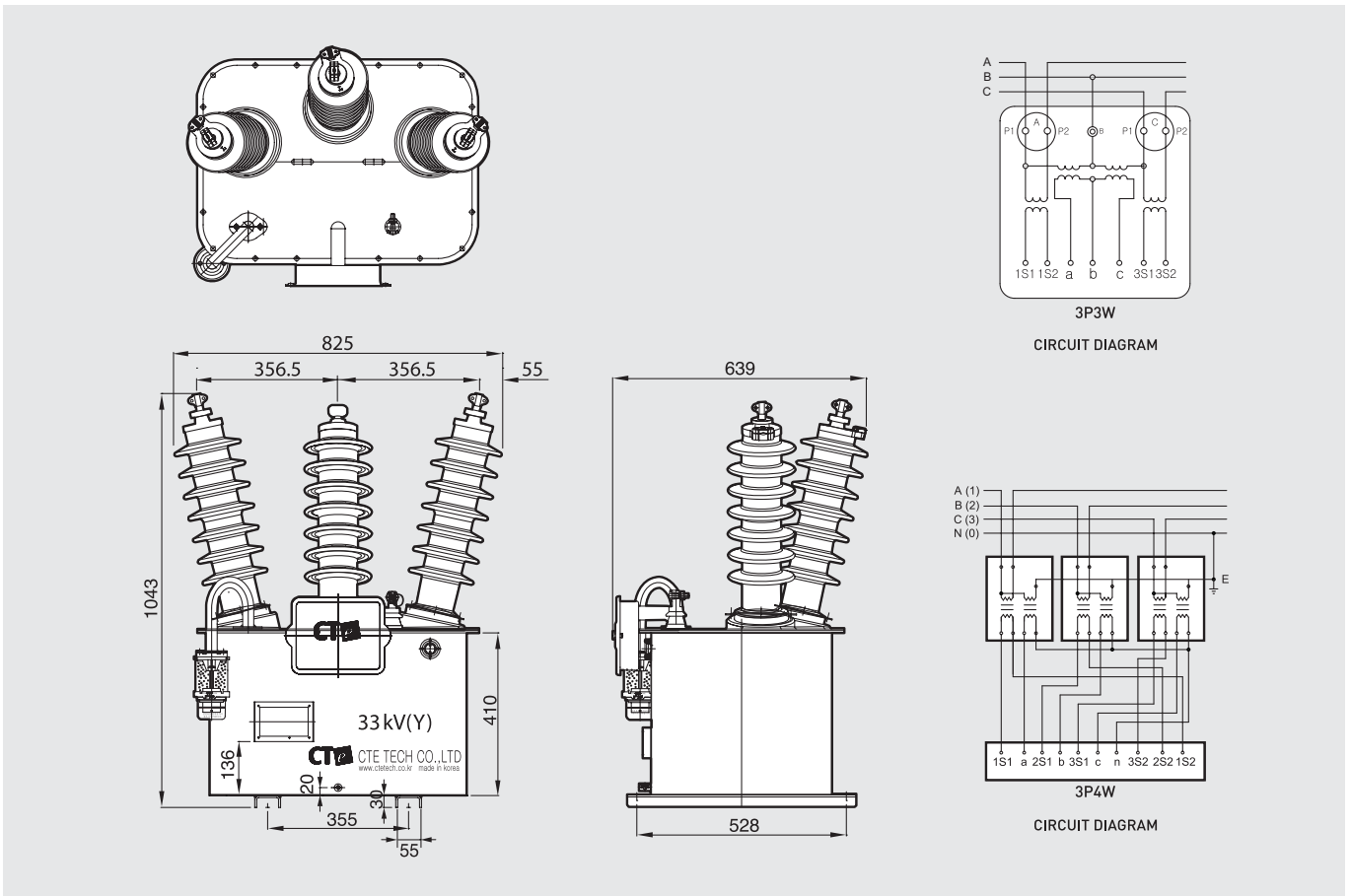
Instrument Current Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-4.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
36kV	3P3W	33000/110V	5/5A ~ 750A	40In	0.3 or 0.5	2×25VA	36/70/170kV	≒ 235kg
36kV	3P4W	$\frac{33000}{\sqrt{3}} / \frac{110}{\sqrt{3}} \text{ V}$				3×25VA		

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



계기용 변압변류기

Oil Filled Type Combined Instrument Transformer



CTOM-36124

■ 특징/Feature

계기용 변압변류기는 국제 규격 IEC 61869-4에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

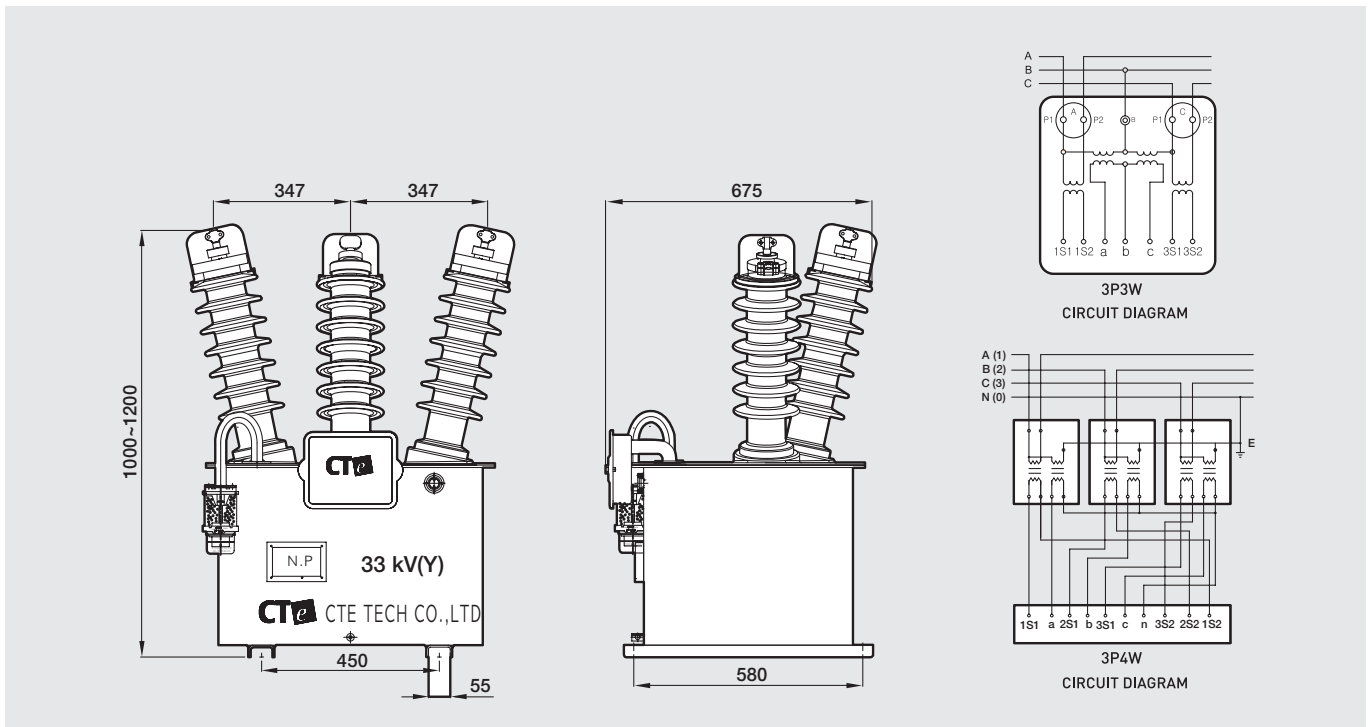
Instrument Current Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-4.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

최고회로전압 Max. Voltage	상수 Phase	전압 Voltage	전류 Current	과전류배수 Over current factor	계급 Class	부담 Burden	절연계급 Insulation Level	중량 Weight
36kV	3P3W	33000/110V	5/5A ~ 750/5A	40In	0.3 or 0.5	2×25VA	36/70/170kV	≒ 260kg
36kV	3P4W	$\frac{33000}{\sqrt{3}} / \frac{110}{\sqrt{3}} \text{ V}$				3×25VA		

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)

■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (CTOM-36124)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~750/5	40-20/5~600-300/5								
	12.5kA	25/5~750/5	50-25/5~600-300/5								
	25kA	50/5~750/5	100-50/5~600-300/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	25/5~750/5	50-25/5~600-300/5								
	12.5kA	35/5~750/5	70-35/5~600-300/5								
	25kA	70/5~750/5	140-70/5~600-300/5								
Relaying (CTOM-36124)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~750/5	40-20/5~600-300/5								
	12.5kA	25/5~750/5	50-25/5~600-300/5								
	25kA	50/5~750/5	100-50/5~600-300/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	30VA	n)20 n)10
	8kA	25/5~750/5	50-25/5~600-300/5								
	12.5kA	35/5~750/5	70-35/5~600-300/5								
	25kA	70/5~750/5	140-70/5~600-300/5								
	8kA	35/5~750/5	70-35/5~600-300/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	50/5~750/5	100-50/5~600-300/5								
	25kA	100/5~750/5	200-100/5~600-300/5								



계기용 변류기

Oil Filled Type Current Transformer



CTOC-25124

■ 특징/Feature

계기용 변류기는 국제 규격 IEC 61869-2에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

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Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

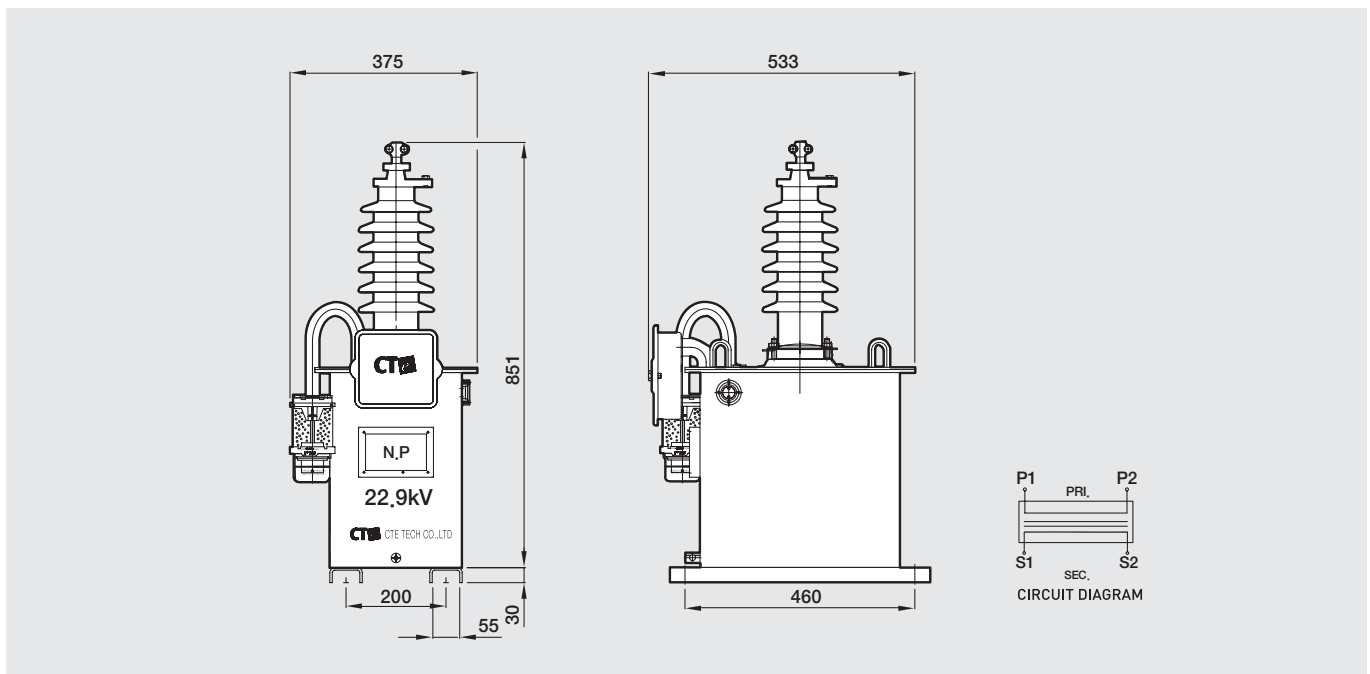
※ Note: Spec에 따라 외형치수가 변경될 수 있음

■ 사양/Specification

규격 / Standard	KS C 1706	IEC 61869-2	JEC 1201
최고회로전압 / Max. Voltage	25.8kV	24kV	23kV
절연계급 / Insulation Level	25.8 / 50 / 150kV	24 / 50 / 125kV	23 / 50 / 150kV
단시간 전류 / Short time Current Max.kA	40In (Max. 40kA/1sec)		
정격1차전류 / Rated Primary Current	5~2000A or 2000A		
정격2차전류 / Rated Secondary Current	5 or 1A		
정격부담 / Rated Burden	15 or 40VA		
오차계급 / Accuracy Class	0.5, 1.0, 5P10, 5P20		
정격연속 열전류 / Rated Continuous Thermal Current	1.2In		
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≈ 90kg		

※최고회로전압 12, 17.5, 36kV 사양 제작 가능합니다.

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)

■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Currnet Factor	Class	Burden	Over Current Factor
Measuring (CTOC-25124)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	20/5~2000/5	40-20/5~2000-1000/5								
	12.5kA	25/5~2000/5	50-25/5~2000-1000/5								
	25kA	50/5~2000/5	100-50/5~2000-1000/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	25/5~2000/5	50-25/5~2000-1000/5								
	12.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	25kA	80/5~2000/5	160-80/5~2000-1000/5								
Relaying (CTOC-25124)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	20/5~2000/5	40-20/5~2000-1000/5								
	12.5kA	25/5~2000/5	50-25/5~2000-1000/5								
	25kA	50/5~2000/5	100-50/5~2000-1000/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	30VA	n)20 n)10
	8kA	25/5~2000/5	50-25/5~2000-1000/5								
	12.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	25kA	80/5~2000/5	160-80/5~2000-1000/5								
	8kA	40/5~2000/5	80-40/5~2000-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	50/5~2000/5	100-50/5~2000-1000/5								
	25kA	100/5~2000/5	200-100/5~2000-1000/5								
2 Core Single Ratio C.T (CTOC-25124)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	40~2000/5-5	80-40/5-5~2000-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	12.5kA	50~2000/5-5	100-50/5-5~2000-1000/5-5								
	25kA	100~2000/5-5	200-100/5-5~2000-1000/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	80~2000/5-5	160-80/5-5~2000-1000/5-5								
	12.5kA	100~2000/5-5	200-100/5-5~2000-1000/5-5								
	25kA	200~2000/5-5	400-200/5-5~2000-1000/5-5								



계기용 변류기

Oil Filled Type Current Transformer



CTOC-36286

■ 특징/Feature

계기용 변류기는 국제 규격 IEC 61869-2에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

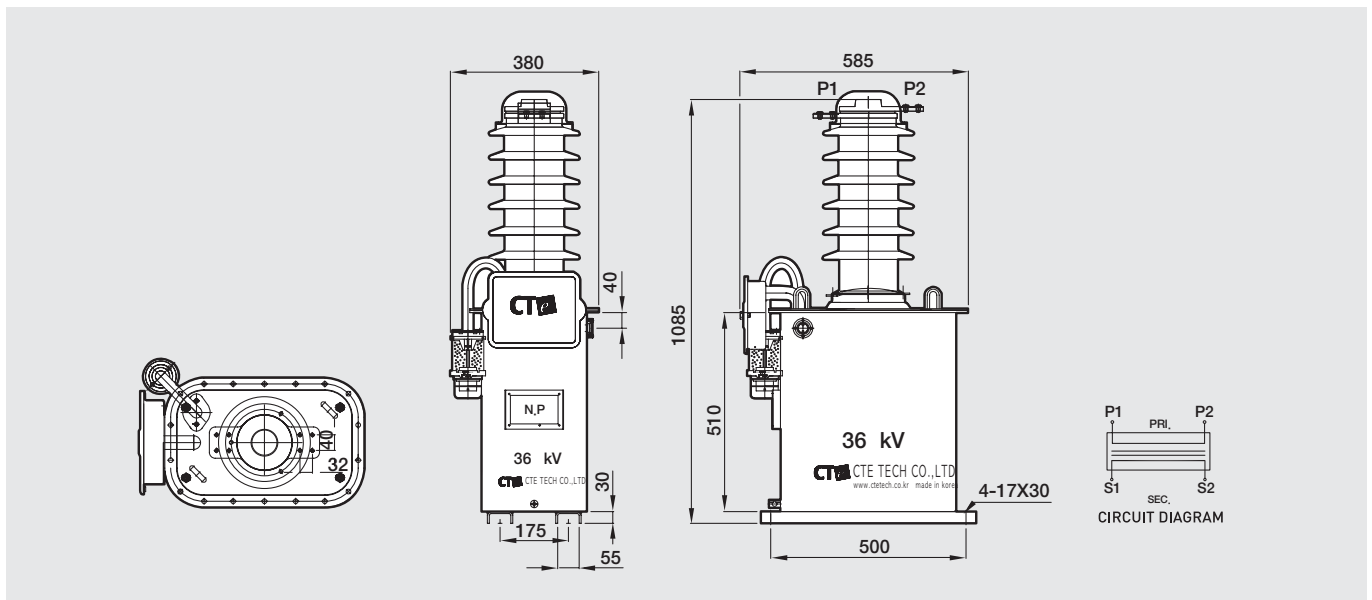
Instrument Current Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-2.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-2
최고회로전압 / Max. Voltage	36kV
절연계급 / Insulation Level	36 / 70 / 170kV
단시간 전류 / Short time Current Max.kA	40In (Max, 40kA/1sec)
정격1차전류 / Rated Primary Current	5~2000A or 2000A 이하
정격2차전류 / Rated Secondary Current	5 or 1A
정격부담 / Rated Burden	15 or 40VA
오차계급 / Accuracy Class	0.5, 1.0, 5P10, 5P20
정격연속 열전류 / Rated Continuous Thermal Current	1.2In
주파수 / Frequency	60 or 50Hz

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)

■ 사양 / Specification

용도 Service	단시간 전류 (Ith) Short time Current	변류비(Current Ratio)		KS C 1706		JEC 1201			IEC 61869-2		
		단일비 / Single	이중비 / Double	Class	Burden	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor
Measuring (CTOC-36286)	300In	5/5~200/5	10-5/5~200-100/5	1.0	15VA	-	-	-	1.0	15VA	FS 5 FS 10 (OPTION)
	8kA	10/5~2000/5	20-10/5~2000-1000/5								
	12.5kA	15/5~2000/5	30-15/5~2000-1000/5								
	25kA	20/5~2000/5	40-20/5~2000-1000/5								
	31.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	40kA	40/5~2000/5	80-40/5~2000-1000/5								
	300In	10/5~200/5	20-10/5~200-100/5	0.5 1.0	15VA 40VA	-	-	-	0.5 1.0	15VA 40VA	FS 5 FS 10 (OPTION)
	8kA	20/5~2000/5	40-20/5~2000-1000/5								
	12.5kA	25/5~2000/5	50-25/5~2000-1000/5								
	25kA	40/5~2000/5	80-40/5~2000-1000/5								
	31.5kA	100/5~2000/5	200-100/5~2000-1000/5								
	40kA	100/5~2000/5	200-100/5~2000-1000/5								
Relaying (CTOC-36286)	300In	5/5~200/5	10-5/5~200-100/5	-	-	1P	15VA	n)10	5P or 10P	15VA	n)10
	8kA	10/5~2000/5	20-10/5~2000-1000/5								
	12.5kA	15/5~2000/5	30-15/5~2000-1000/5								
	25kA	20/5~2000/5	40-20/5~2000-1000/5								
	31.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	40kA	40/5~2000/5	80-40/5~2000-1000/5								
	150In	5/5~400/5	10-5/5~400-200/5	-	-	1P	15VA 40VA	n)20 n)10	5P or 10P	30VA	n)20 n)10
	8kA	20/5~2000/5	40-20/5~2000-1000/5								
	12.5kA	25/5~2000/5	50-25/5~2000-1000/5								
	25kA	40/5~2000/5	80-40/5~2000-1000/5								
	31.5kA	100/5~2000/5	200-100/5~2000-1000/5								
	40kA	100/5~2000/5	200-100/5~2000-1000/5								
	8kA	25/5~2000/5	50-25/5~2000-1000/5	-	-	1P	40VA	n)20	5P or 10P	30VA	n)20
	12.5kA	40/5~2000/5	80-40/5~2000-1000/5								
	25kA	50/5~2000/5	100-50/5~2000-1000/5								
	31.5kA	100/5~2000/5	200-100/5~2000-1000/5								
	40kA	100/5~2000/5	200-100/5~2000-1000/5								
	40kA	100/5~2000/5	200-100/5~2000-1000/5								
2 Core Single Ratio C.T (CTOC-36286)	40In	5~1500/5-5	10-5/5-5~1500-750/5-5	-	-	1.0/1P	15/15	n)10	1.0/5P	15/15	n)10
	75In	5~800/5-5	10-5/5-5~800-400/5-5								
	150In	5~400/5-5	10-5/5-5~400-200/5-5								
	300In	10~200/5-5	20-10/5-5~200-100/5-5								
	8kA	20~2000/5-5	40-20/5-5~2000-1000/5-5								
	12.5kA	30~2000/5-5	60-30/5-5~2000-1000/5-5								
	25kA	40~2000/5-5	80-40/5-5~2000-1000/5-5	-	-	1.0/1P	15/15 40/40	n)20 n)10	1.0/5P	15/15 30/30	n)20 n)10
	31.5kA	100~2000/5-5	200-100/5-5~2000-1000/5-5								
	40kA	100~2000/5-5	200-100/5-5~2000-1000/5-5								
	40In	10~1500/5-5	20-10/5-5~1500-750/5-5								
	8kA	50~2000/5-5	100-50/5-5~2000-1000/5-5								
	12.5kA	80~2000/5-5	160-80/5-5~2000-1000/5-5								
	25kA	100~2000/5-5	200-100/5-5~2000-1000/5-5								
	31.5kA	200~2000/5-5	400-200/5-5~2000-1000/5-5								
	40kA	200~2000/5-5	400-200/5-5~2000-1000/5-5								

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OIL TYPE CT



계기용 변압기

Oil Filled Type Voltage Transformer



CTOP-25

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

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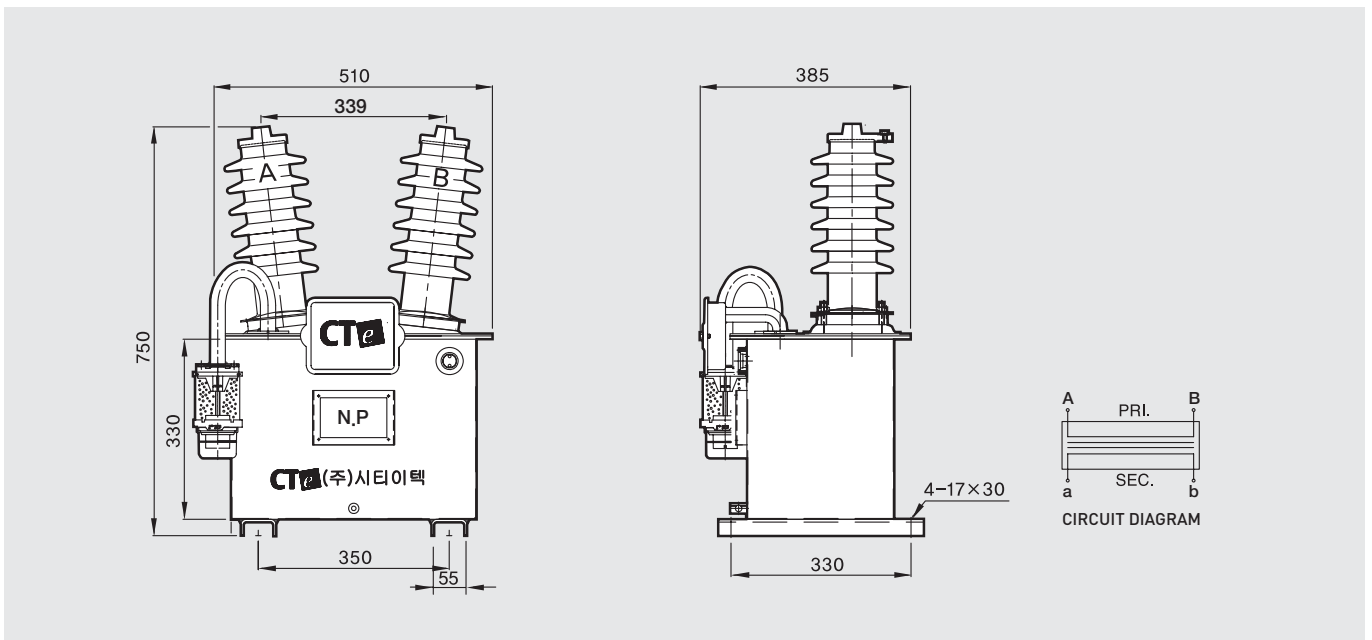
Instrument Voltage Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-3.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3		
최고회로전압 / Max. Voltage	12kV	17.5kV	24kV
1차 전압 / Primary Voltage	11000V	13200V, 13800V	22000V
2차 전압 / Secondary Voltage	110V or 220V		
절연계급 / Insulation Level	12 / 28 / 75kV	17.5 / 38 / 95kV	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	1.2Vn Continuous		
계급 / Accuracy Class	0.5		1.0
부담 / Burden	100VA		200VA
주파수 / Frequency	60 or 50Hz		
중량 / Weight(kg)	≒ 95kg		

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



CTOP-25N

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

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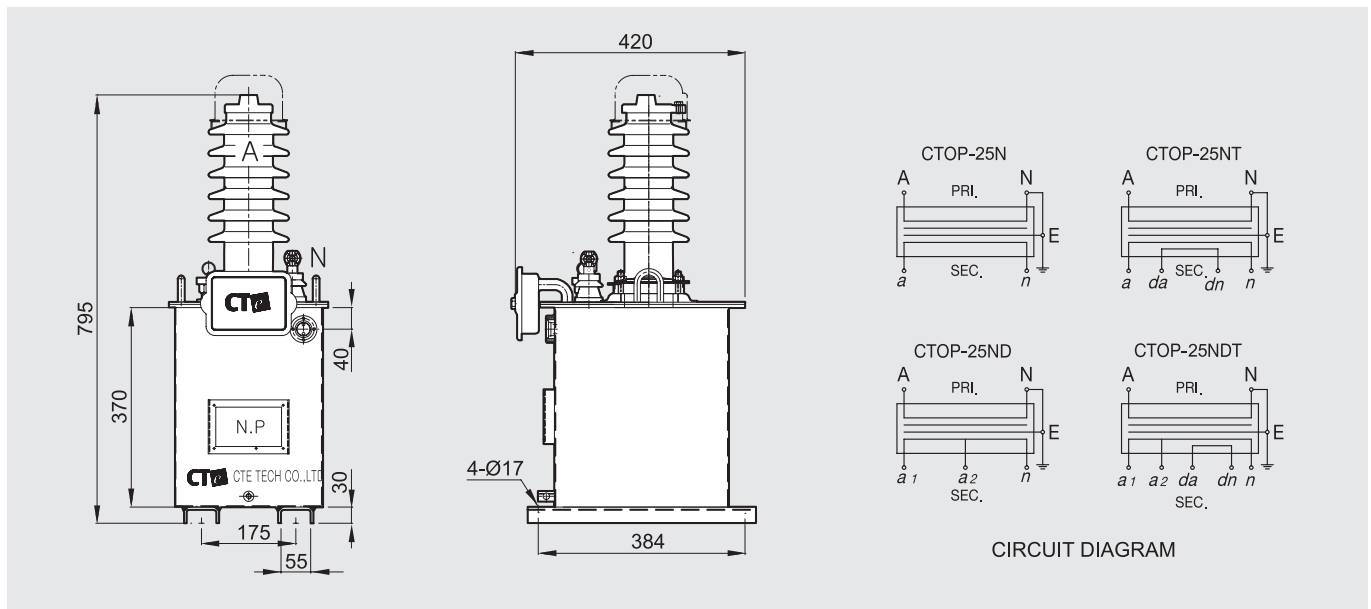
Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3	
최고회로전압 / Max. Voltage	24kV	
1차 전압 / Primary Voltage	22900V/ $\sqrt{3}$ V	
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V	
3차 전압 / Tertiary Voltage	110/3V or 190/3V	
절연계급 / Insulation Level	24 / 50 / 125kV	
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec	
계급 / Accuracy Class	0.5	1.0
부담 / Burden	100VA	200VA
주파수 / Frequency	60 or 50Hz	

계급 / Accuracy Class	부담 / Burden			
IEC 61869-3	CTOP-25N	CTOP-25ND	CTOP-25NT	CTOP-25NDT
0.5	100VA	50VA	100VA	50VA
1.0	200VA	50VA	200VA	50VA
1.0/3P	200VA		200VA	
1.0/3P	200VA		200VA	

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



계기용 변압기

Oil Filled Type Voltage Transformer



3CTOP-25N

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

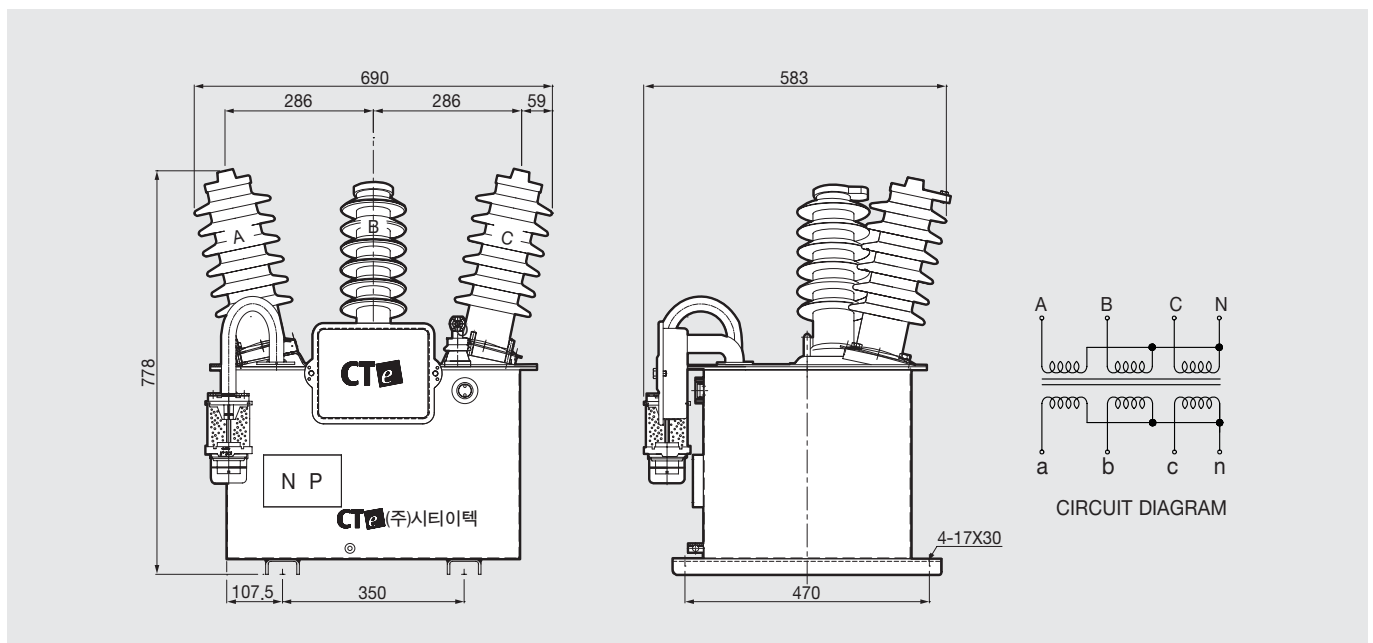
Instrument Voltage Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC 61869-3.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3
최고회로전압 / Max. Voltage	24kV
1차 전압 / Primary Voltage	22900/R3V
2차 전압 / Secondary Voltage	110/R3V
3차 전압 / Tertiary Voltage	110/3V or 190/3V
절연계급 / Insulation Level	24 / 50 / 125kV
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec
계급 / Accuracy Class	1.0/3P
부담 / Burden	50, 100, 200VA
주파수 / Frequency	60 or 50Hz

■ 외형치수/Dimension



※ 본 도면의 치수공차 $\pm 5\%$ (Dimension tolerance : $\pm 5\%$)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



CTOP-36

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

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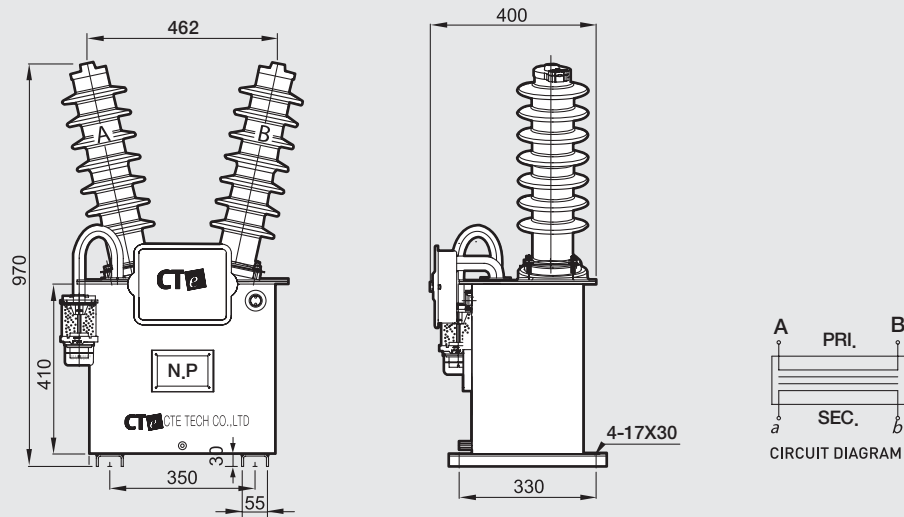
Instrument Voltage Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-3.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3	
최고회로전압 / Max. Voltage	36kV	
1차 전압 / Primary Voltage	33000V	
2차 전압 / Secondary Voltage	110V	
절연계급 / Insulation Level	36/70/170kV	
과전압 배수 / Over Voltage Factor	1.2Vn Continuous	
계급 / Accuracy Class	0.5	1.0
부담 / Burden	100VA	200VA
주파수 / Frequency	60 or 50Hz	

■ 외형치수/Dimension



※ 본 도면의 치수공차 $\pm 5\%$ (Dimension tolerance : $\pm 5\%$)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)

G

OIL TYPE PT



계기용 변압기

Oil Filled Type Voltage Transformer



CTOP-36N(T)

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

Instrument Voltage Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-3.

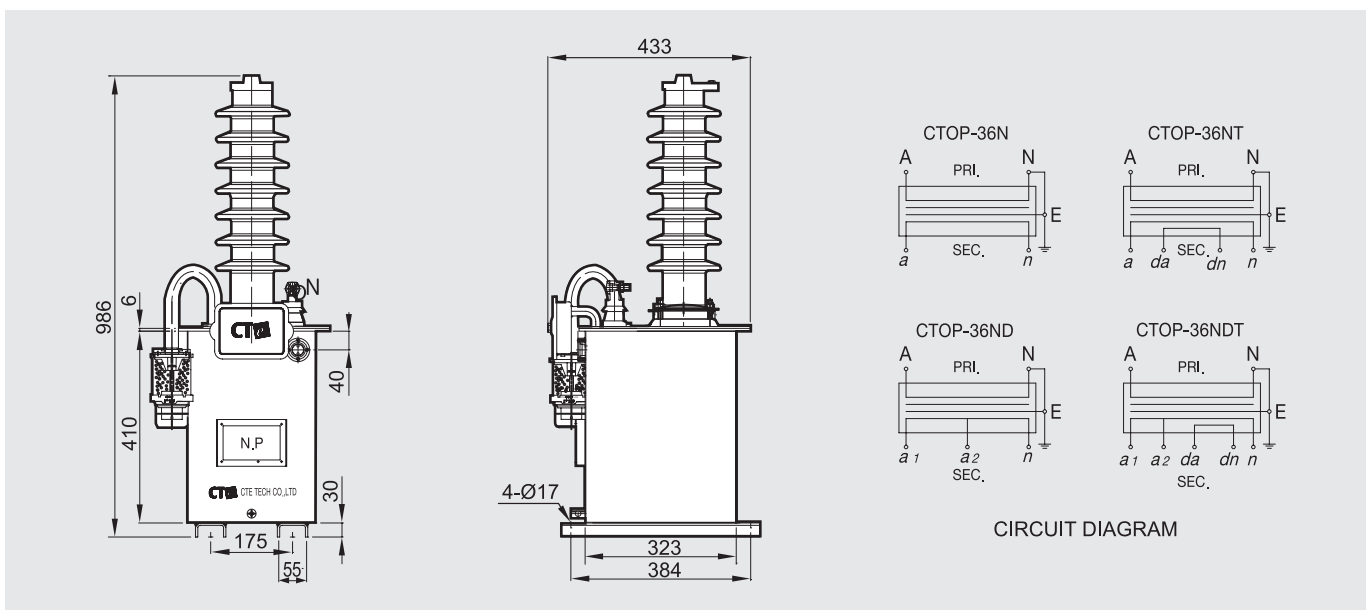
Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3	
최고회로전압 / Max. Voltage	36kV	
1차 전압 / Primary Voltage	33000V/ $\sqrt{3}$ V	
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V	
3차 전압 / Tertiary Voltage	110/3V or 190/3V	
절연계급 / Insulation Level	36 / 70 / 170kV	
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec	
계급 / Accuracy Class	0.5	1.0
부담 / Burden	100VA	200VA
주파수 / Frequency	60 or 50Hz	

계급 / Accuracy Class	부담 / Burden			
IEC 61869-3	CTOP-36N	CTOP-36ND	CTOP-36NT	CTOP-36NDT
0.5	100VA	50VA	100VA	50VA
1.0	200VA	50VA	200VA	50VA
1.0/3P	200VA		200VA	
1.0/3P	200VA		200VA	

■ 외형치수/Dimension



※ 본 도면의 치수공차 ±5% (Dimension tolerance : ±5%)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



3CTOP-36N

■ 특징/Feature

계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족하여 신뢰성이 높고 안전성이 우수한 제품입니다.

타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

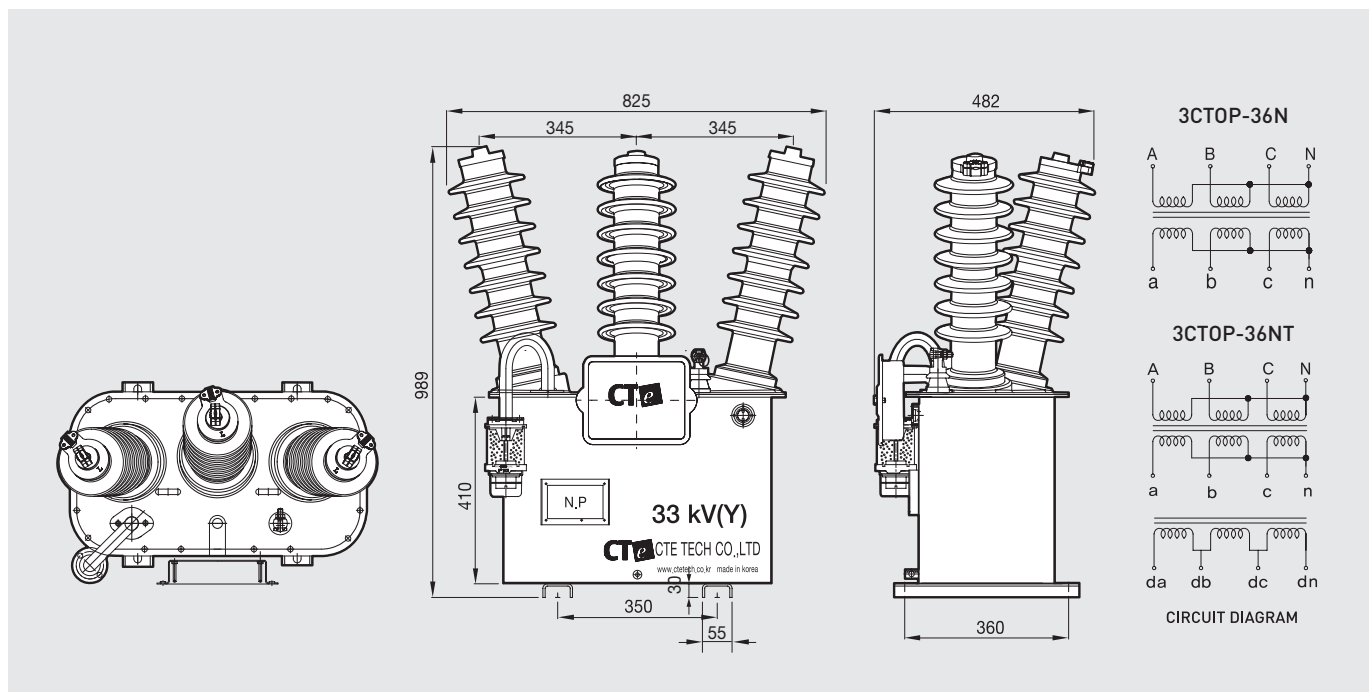
Instrument Voltage Transformer is a product with high reliability, excellent safety and meets all the enhanced test standards of IEC61869-3.

Compared to the other company's products, it is small and light, very convenient to secure the space and easy to install.

■ 사양/Specification

규격 / Standard	IEC 61869-3
최고회로전압 / Max. Voltage	36kV
1차 전압 / Primary Voltage	33000V/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110V/ $\sqrt{3}$ V
3차 전압 / Tertiary Voltage	110/3V or 190/3V
절연계급 / Insulation Level	36 / 70 / 170kV
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec
계급 / Accuracy Class	1.0/3P
부담 / Burden	50, 100, 200VA
주파수 / Frequency	60 or 50Hz

■ 외형치수/Dimension



※ 본 도면의 치수공차 $\pm 5\%$ (Dimension tolerance : $\pm 5\%$)

※ 본 도면의 계기 및 부품의 취부 위치와 치수는 다소 변경 될 수 있음 (Dimension and weight will be changed slightly after detail design.)



계기용 변압기

Oil Filled Type Voltage Transformer



CTOP-244

■ 특징 / Feature

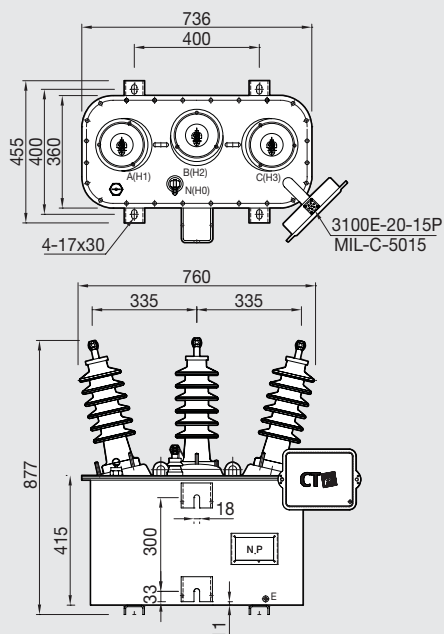
전원공급형 계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족합니다. 차단기에 공급될 전원용 변압기가 내장되어있으며, 단독 철심형으로 안전성이 우수하며 사고 시 소손방지 및 보호형으로 사용 가능한 제품입니다. 타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

Power Supply Type Instrument Voltage Transformer meets all the enhanced test standards of IEC 61869-3. Voltage Transformer for Supplying power to the breaker is built. It is safety as individual core type. when accident hanppen, this product is available for burnout prevention and protection. Compared to the other comany's product, it is small and light. Also, it is very convenient to secure the space and easy to install.

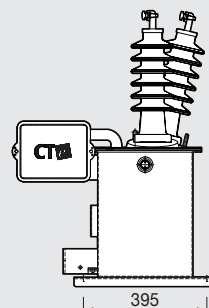
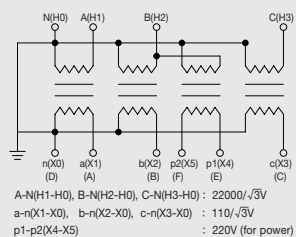
■ 사양 / Specification

Type	CTOP-244
규격 / Standard	IEC 61869-3
최고회로전압 / Max. Voltage	24kV
1차 전압 / Primary Voltage	22000/ $\sqrt{3}$ V
2차 전압 / Secondary Voltage	110/ $\sqrt{3}$ V
절연계급 / Insulation Level	24 /50 /125kV
계급 / Accuracy Class	1.0
부담 / Burden	40VA
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec
전원 전압 / Rated Power Output (For Power Supply)	220V
전원 오차 / Accuracy (For Power Supply)	10%
전원 출력 / Rated Output (For Power Supply)	500VA
주파수 / Frequency	50Hz
중량 / Weight(kg)	≒ 190kg

■ 외형치수 / Dimension



TERMINAL MARKING





CTOP-364

■ 특징/Feature

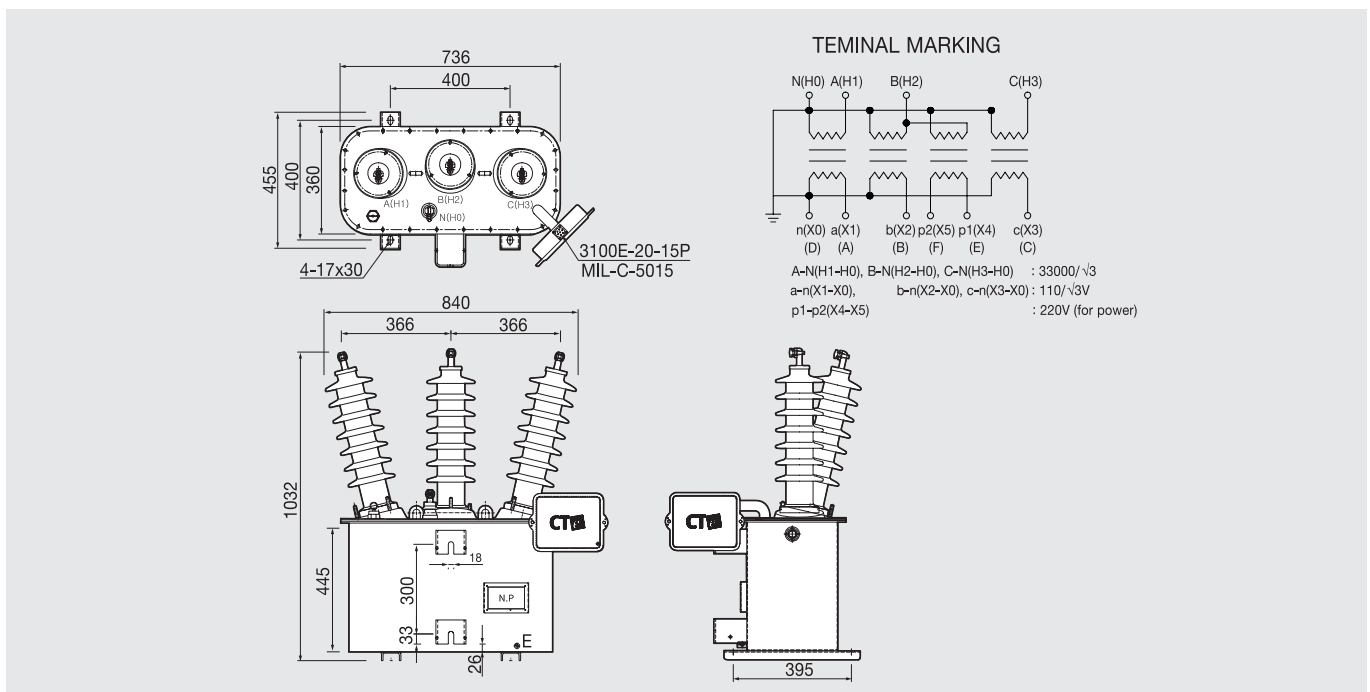
전원공급형 계기용 변압기는 국제 규격 IEC 61869-3에 강화된 시험 항목을 모두 만족합니다. 차단기에 공급될 전원용 변압기가 내장되어있으며, 단독 철심형으로 안전성이 우수하며 사고 시 소손방지 및 보호형으로 사용 가능한 제품입니다. 타사 제품에 비해 비교적 소형, 경량으로 설치 공간 확보와 설치가 용이합니다.

Power Supply Type Instrument Voltage Transformer meets all the enhanced test standards of IEC 61869-3. Voltage Transformer for Supplying power to the breaker is built. It is safety as individual core type. when accident hanppen, this product is available for burnout prevention and protection. Compared to the other comany's product, it is small and light. Also, it is very convenient to secure the space and easy to install.

■ 사양/Specification

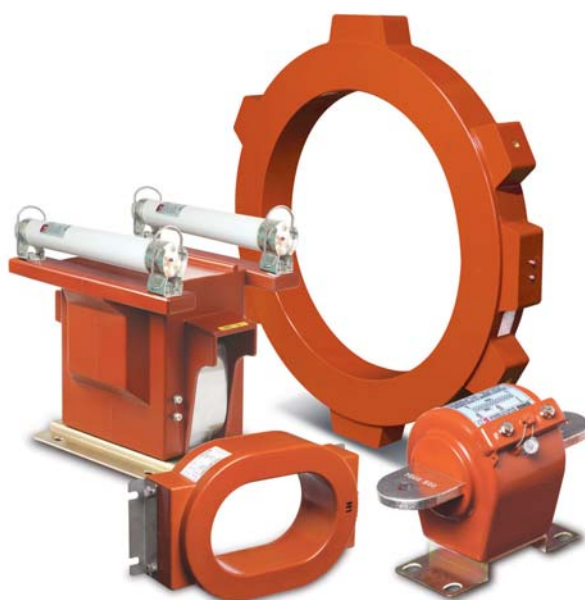
Type	CTOP-364
규격 / Standard	IEC 61869-3
최고회로전압 / Max. Voltage	36kV
1차 전압 / Primary Voltage	33000/√3V
2차 전압 / Secondary Voltage	110/√3V
절연계급 / Insulation Level	36 /70 /170kV
계급 / Accuracy Class	1.0
부담 / Burden	40VA
과전압 배수 / Over Voltage Factor	1.2Vn Cont., 1.9Vn/30sec
전원 전압 / Rated Power Output (For Power Supply)	220V
전원 오차 / Accuracy (For Power Supply)	10%
전원 출력 / Rated Output (For Power Supply)	500VA
주파수 / Frequency	50Hz
중량 / Weight(kg)	≒ 220kg

■ 외형치수/Dimension





For Kepco / For Nuclear Discharge Coil for Power Capacitor Bushing & Socket



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Certi



www.kepco.co.kr/industrial.htm
Tel. 2010-877-0101

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계기용 변압기(접지형, 한전 25.8kV CGIS용)

Earthed Voltage Transformer_Metal Clad Type



MPE-24PHNDT

한전용 / For KEPCO

최고회로 전압

Max. Voltage :25.8kV

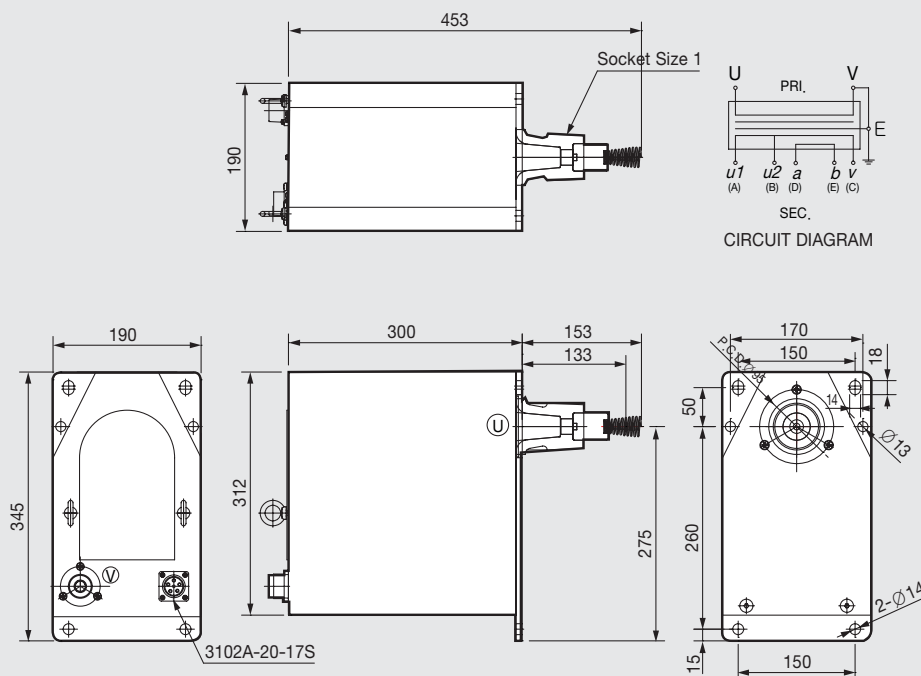
■ 특징 / Feature

- 규격 / Standard : ES 5950-0005
- 가스절연개폐기용 / For CGIS
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec., 1.9Vn/8hr
- 에폭시 몰드형 / Epoxy Molded Type

■ 사양 / Specification

규격 / Standard	ES 5950-0005	
최고회로전압 / Max. Voltage	25.8kV	
1차 전압 / Primary Voltage	22900/√3 V(13200V)	
2차 전압 / Secondary Voltage	110-110/√3 V	
3차 전압 / Tertiary Voltage	190/√3 V	
절연계급 / Insulation Level	25.8 / 50 / 150kV	
과전압 배수 / Over Voltage Factor	1.2Vn Continuous / 1.9Vn(30s) or 1.2Vn Continuous / 1.9Vn(8h)	
계급 / Accuracy Class	1.0	3P
부담 / Burden	200VA	100 or 200VA
주파수 / Frequency	60 or 50Hz	
중량 / Weight(kg)	≒ 40	

■ 외형치수 / Dimension





Max. Voltage:25.8kV

- 규격 / Standard : ES 5950-0005
- 가스절연개폐기용 / For GIS
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn / 30sec., 1.9Vn / 8hr
- 에폭시 몰드형 / Epoxy Molded Type

최고 회로 전압 / Max. Voltage	25.8kV	
1차 전압 / Primary Voltage	22900/√3 V(13200V)	
2차 전압 / Secondary Voltage	110~110/√3 V	
3차 전압 / Tertiary Voltage	190/3V	
절연 계급 / Insulation Level	25.8 / 50 / 150kV	
과전압 배수 / Over Voltage Factor	1.2Vn Continuous / 1.9Vn(30s) or 1.2Vn Continuous / 1.9Vn(8h)	
계급 / Accuracy Class	1.0	3P
부담 / Burden	200VA	100 or 200VA
주파수 / Frequency	60Hz	
중량 / Weight(kg)	≒ 26	

Technical drawings of the M5000 100VA transformer, showing dimensions and electrical connections.

Front View Dimensions:

- Overall width: 175
- Internal width: 150
- Overall height: 350
- Height to center of window: 280
- Height to top of mounting flange: 140
- Height to base of terminal block: 35
- Terminal block dimensions: 14x19, Ø14
- Primary terminal: M5 Pri.
- Secondary terminal: M5 Sec.Term.

Side View Dimensions:

- Overall width: 175
- Height to top of mounting flange: 60
- Height to base of terminal block: 242
- Base thickness: 4

Top View Dimensions:

- Overall width: 350
- Height to top of mounting flange: 260
- Mounting flange: M10x20 Pri.
- Earthing terminal: M6 Ear.
- Base thickness: 20

Circuit Diagram:

The circuit diagram shows the transformer with primary terminals U, V, and E, and secondary terminals u1, u2, a, b, and v. The primary is labeled PRI. and the secondary is labeled SEC.



전력수급용 계기용 변류기

Current Transformer



CPD-10

한전용/For KEPCO

최고회로 전압

Max. Voltage : 230V

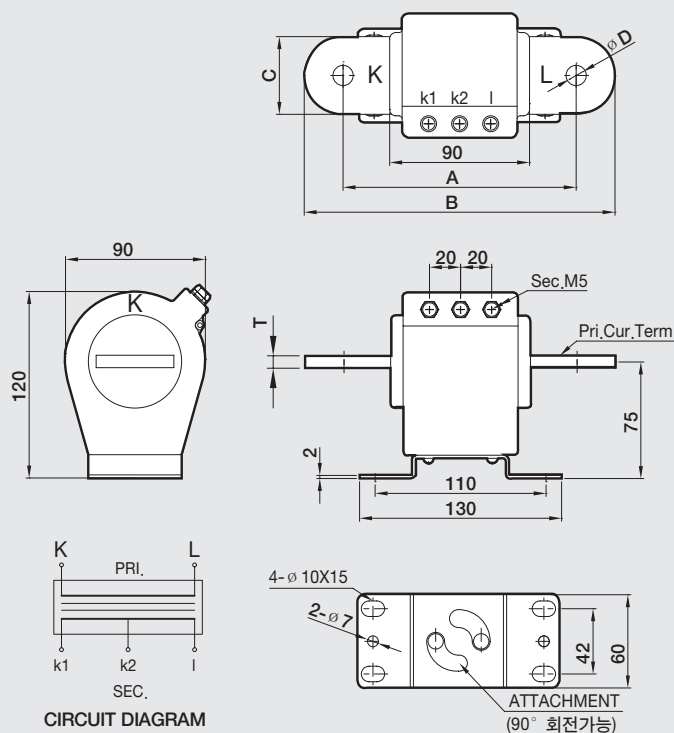
■ 특징/Feature

- 규격 / Standard : ES 5950-0006, KS C 1707
- 권선형 / Winding Type
- 옥내용 / For Indoor
- 한전 전력량계용 / Metering
- 계기용 / Measuring Application
- 이중비 / Double Ratio
- 부스바 취부형 / Busbar Type
- 에폭시 몰드형 / Epoxy Molded Type(Case:ABS)
- KS C 1707 인증 및 마크 표시 허가품(KTC2016-0183호)

■ 사양/Specification

Type	1차 전류 Pri. Cur.	2차 전류 Sec. Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치 수 / Dimension (mm)				
						A	B	C	T	D
CPD-10	150 - 75A	5A	0.5 W	15 VA	≒ 2.0	125	150	25	3.2	10
	300 - 150A				≒ 2.8	135	165	30	5	13
	400 - 200A				≒ 2.8	150	190	40	6	13
	500 - 250A 600 - 300A				≒ 2.8	150	190	40	6	13
	800 - 400A 1000 - 500A				≒ 2.8	150	190	50	8	13

■ 외형치수/Dimension





봇싱형 변류기 (한전 25.8kV CGIS용)

Current Transformer



한전용 / For KEPCO

CB25-600M / 600R / 600X

■ 특징 / Feature

- 규격 / Standard : ES 5950-0006
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.0, 1.33, 1.5, 2.0, 3.0 or 4.0 at 30°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz (Option : 50Hz)

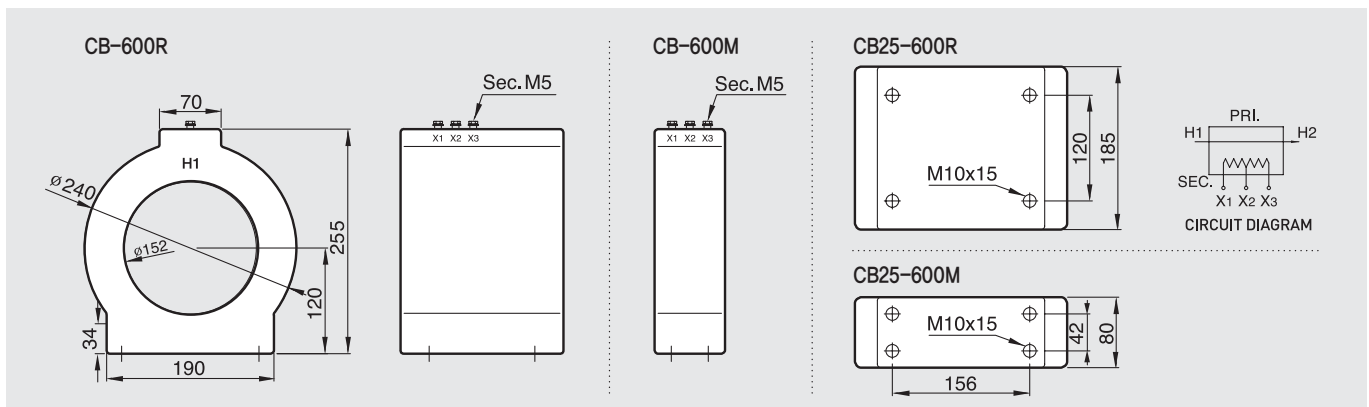
■ Standard Specification

Type	Cur. Ratio	Class	Freq.
CB25-600M	200~2000/5A	1.2(12.5VA)	60Hz
CB25-600R	200~600/5A	C-200(50VA)	60Hz
CB25-600X	200~600/5A	X-200(50VA)	60Hz

■ 사양 / Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)				
		B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
30/5A	C-10	-	-	-	-	-
40/5A	C-10	-	-	-	-	-
50/5A	C-20	-	-	-	-	-
60/5A	C-20	1.2	-	-	-	-
75/5A	C-20	1.2	1.2	-	-	-
100/5A	C-20	1.2	1.2	1.2	-	-
120/5A	C-50	0.6	0.6	1.2	1.2	-
150/5A	C-50	0.6	0.6	1.2	1.2	1.2
200/5A	C-50	0.3	0.6	0.6	1.2	1.2
250/5A	C-100	0.3	0.6	0.6	1.2	1.2
300/5A	C-100	0.3	0.3	0.6	0.6	1.2
400/5A	C-100	0.3	0.3	0.6	0.6	0.6
500/5A	C-200	0.3	0.3	0.3	0.6	0.6
600/5A	C-200	0.3	0.3	0.3	0.3	0.3
750/5A	C-200	0.3	0.3	0.3	0.3	0.3
1000/5A	C-400	0.3	0.3	0.3	0.3	0.3
1200/5A	C-400	0.3	0.3	0.3	0.3	0.3
1500/5A	C-400	0.3	0.3	0.3	0.3	0.3
2000/5A	C-400	0.3	0.3	0.3	0.3	0.3

■ 외형치수 / Dimension





붕상형 변류기 (한전 25.8kV CGIS용) **Current Transformer**



한전용 / For KEPCO

CBS25-2000M(R) / CB25-110M / CBS25-2000X

■ 특징 / Feature

- 규격 / Standard : ES 5950-0006
- 계기용 및 계전기용 / Measuring & Relaying Application
- 절연계급 / Insulation Level : 0.6BIL 10kV full wave
- 정격연속전류 / Continuous Thermal Current Rated Factor : 1.0, 1.33, 1.5, 2.0, 3.0 or 4.0 at 30°C Amb.
- 여자곡선 / Excitation Curve : On request
- 에폭시 몰드형 / Epoxy Molded Type
- 60Hz(Option : 50Hz)

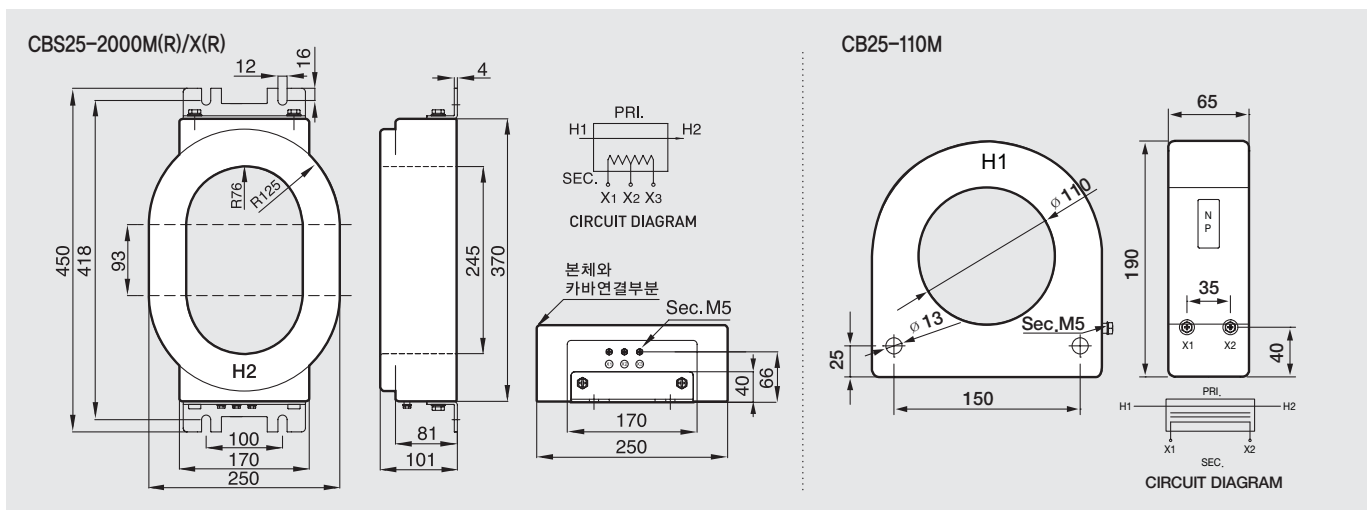
■ Standard Specification

Type	Cur. Ratio	Class	Freq.
CBS25-2000M / CB25-110M	2000, 1000/5A	1.2(12.5VA)	60Hz
CBS25-2000R	2000, 1500, 1200, 800/5A	C-200(50VA)	60Hz
CBS25-2000X	2000, 1500, 1200, 800/5A	X-200(50VA)	60Hz

■ 사양 / Specification

변류비 Current Ratio	계전기용 계급 Relaying Class	계기용 계급 / Measuring Class (at 60Hz)				
		B - 0.1(2.5VA)	B - 0.2(5.0VA)	B - 0.5(12.5VA)	B - 0.9(22.5VA)	B - 1.8(45VA)
50/5A	C-10	-	-	-	-	-
75/5A	C-10	-	-	-	-	-
100/5A	C-20	1.2	-	-	-	-
120/5A	C-20	1.2	-	-	-	-
150/5A	C-20	0.6	0.6	1.2	-	-
200/5A	C-20	0.6	0.6	1.2	1.2	1.2
250/5A	C-50	0.3	0.6	0.6	1.2	1.2
300/5A	C-50	0.3	0.6	0.6	1.2	1.2
400/5A	C-50	0.3	0.3	0.6	0.6	1.2
500/5A	C-100	0.3	0.3	0.6	0.6	0.6
600/5A	C-100	0.3	0.3	0.3	0.6	0.6
750/5A	C-100	0.3	0.3	0.3	0.3	0.3
1000/5A	C-100	0.3	0.3	0.3	0.3	0.3
1200/5A	C-100	0.3	0.3	0.3	0.3	0.3
1500/5A	C-100	0.3	0.3	0.3	0.3	0.3
2000/5A	C-200	0.3	0.3	0.3	0.3	0.3
3000/5A	C-200	0.3	0.3	0.3	0.3	0.3

■ 외형치수 / Dimension





원자력용 변압기

Voltage Transformer

**CPT-48E1** 원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 0.66kV

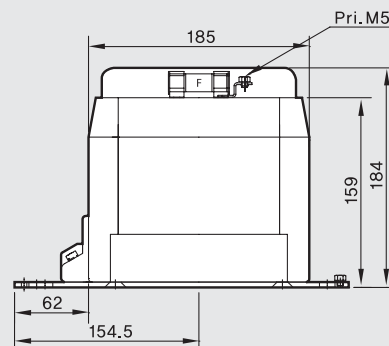
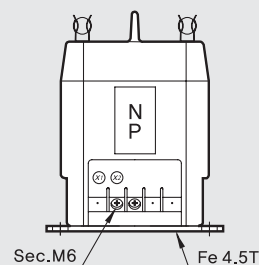
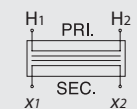
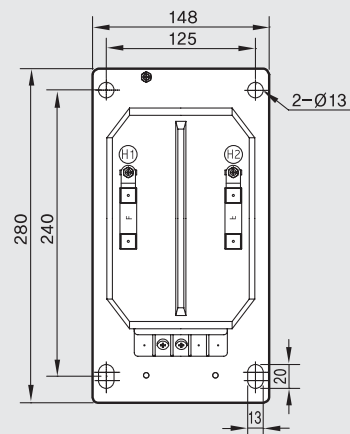
■ 특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

Type	정격전압 Rated Voltage	계급 Class	부담 Burden	주파수 Freq.	중량 Weight(kg)	Note
CPT-48E1	480V / 120V	0.3Y	75VA	60 or 50 Hz	≒ 11	CLASS-1E / NON CLASS-1E
		1.2Z	200VA			

■ 외형치수 / Dimension





원자력용 변압기

Voltage Transformer



PEN-63

원자력용 / For Nuclear

최고회로 전압

Max. Voltage :5.60kV

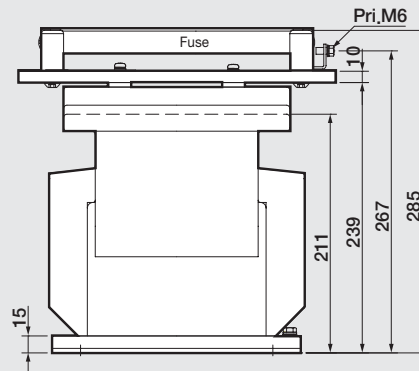
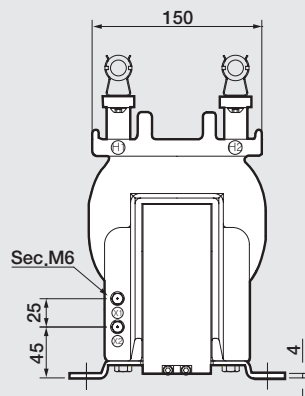
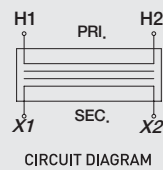
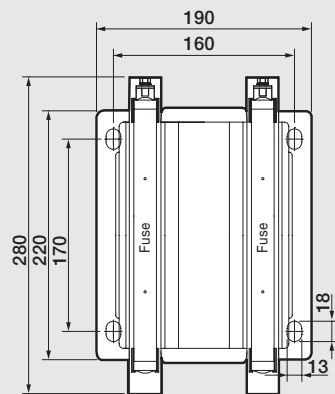
■ 특징 / Feature

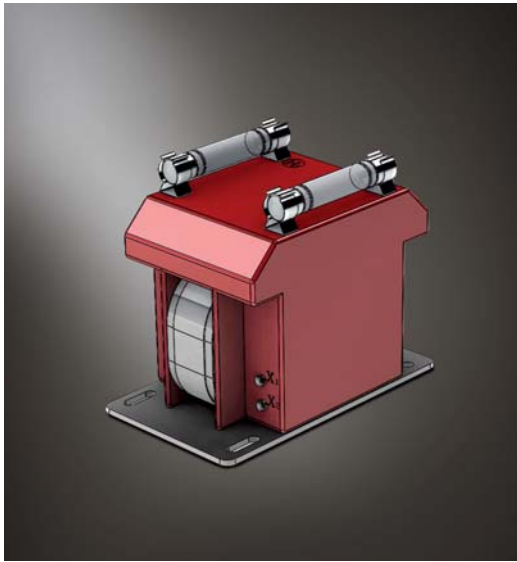
- 규격 / Standard : KEPIC EMB 5100
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

Type	정격전압 Rated Voltage	계급 Class	부담 Burden	주파수 Freq.	중량 Weight(kg)	Note
PEN-63	4200V / 120V	0.3Y	75VA	60 or 50Hz	≈ 21	CLASS-1E / NON CLASS-1E
		1.2Z	200VA			

■ 외형치수 / Dimension





YP-1416

원자력용 / For Nuclear

최고회로 전압

Max. Voltage :5.60kV

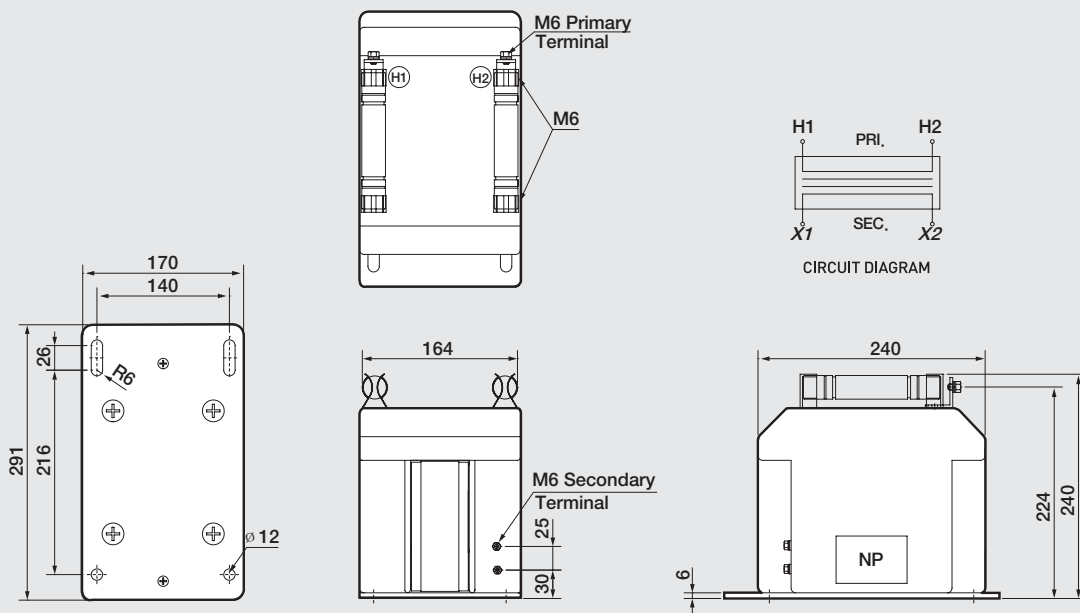
특징/Feature

- 규격 / Standard : KEPIC EMB 5100
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

사양/Specification

Type	정격전압 Rated Voltage	계급 Class	부담 Burden	주파수 Freq.	중량 Weight(kg)	Note
YP-1416	4200V / 120V	0.3Y	75VA	60 or 50 Hz	≒ 24	CLASS-1E / NON CLASS-1E
		1.2Z	200VA			

외형치수/Dimension





원자력용 변압기

Voltage Transformer

**YP-2138**

원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 15.50kV

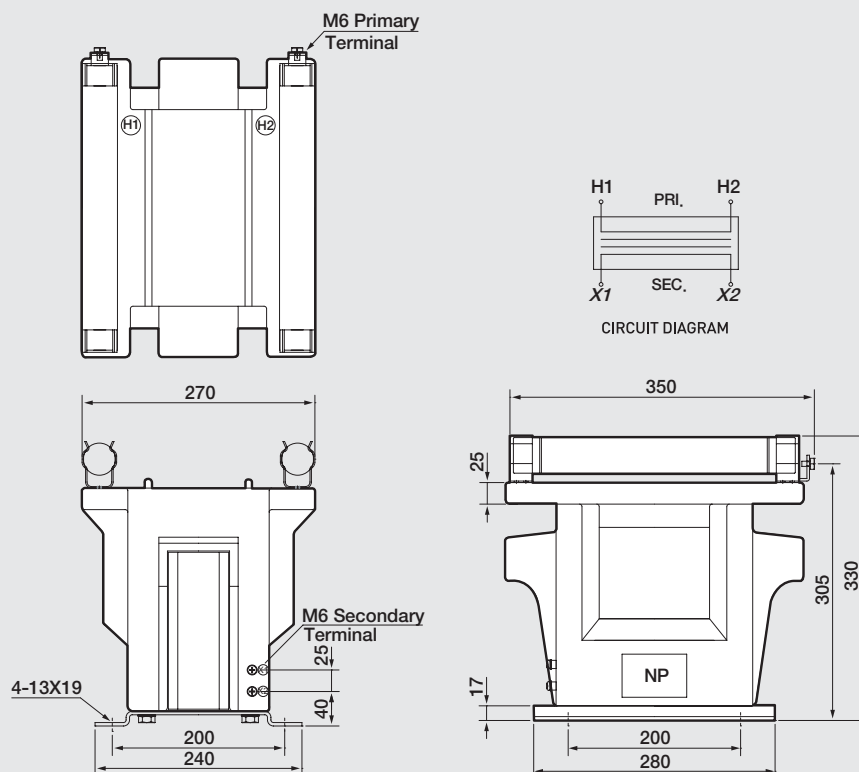
■ 특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

■ 사양 / Specification

Type	정격전압 Rated Voltage	계급 Class	부담 Burden	주파수 Freq.	중량 Weight(kg)	Note
YP-2138	14400 / 120V	0.3Y	75VA	60 or 50Hz	≒ 40	CLASS-1E / NON CLASS-1E
		1.2Z	200VA			

■ 외형치수 / Dimension





원자력용 변류기

Current Transformer



100-TYPE/CNP-100

원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 0.66kV

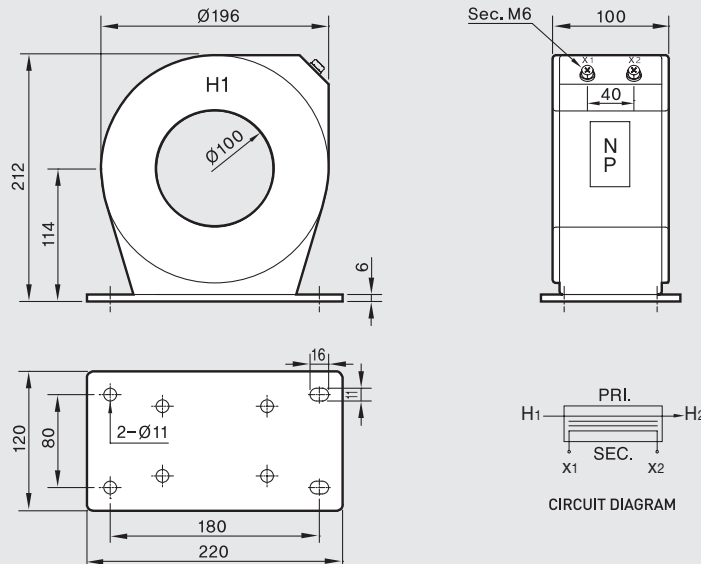
특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz, 50kA/1s

사양 / Specification

Type	정격전류 Rated Current	계급 Class	부담 Burden	연속전류정격 R.F	주파수 Freq.	중량 Weight(kg)	Note
100-200E	2000 / 5A	C200	50	1.5	60 or 50Hz	≒ 10.6	CLASS-1E / NON CLASS-1E
100-150E	1500 / 5A	C200	50	1.5		≒ 11	
100-060D	600 / 5A	C100	25	2.0		≒ 12	
100-030C	300 / 5A	C50	12.5	2.0		≒ 12	
100-150M	1500 / 5A	0.3B0.9	22.5	1.5		≒ 6.5	
100-200M	2000 / 5A	0.3B0.9	22.5	1.5		≒ 6	
100-300M	3000 / 5A	0.3B0.9	22.5	1.33		≒ 10	
100-400M	4000 / 5A	0.3B0.9	22.5	1.33		≒ 10	
100-060M	600 / 5A	0.3B0.9	22.5	2.0		≒ 15	
100-030M	300 / 5A	0.3B0.9	5	2.0		≒ 15	
100-120M	1200 / 5A	0.3B0.9	22.5	2.0		≒ 12	
100-400E	4000 / 5A	C200	50	1.33		≒ 16	
100-300E	3000 / 5A	C200	50	1.33		≒ 16	
100-120D	1200 / 5A	C100	25	2.0		≒ 15.5	

외형치수 / Dimension





원자력용 변류기

Current Transformer



86-TYPE

원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 0.66kV

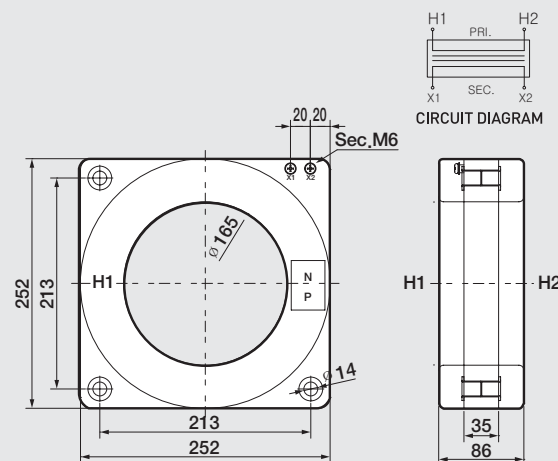
■ 특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz, 50kA/1s

■ 사양 / Specification

Type	정격전류 Rated Current	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
			B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
86-TYPE	250/5A	C-30	0.6	0.6	1.2	2.4	2.4
	300/5A	C-30	0.3	0.6	1.2	1.2	2.4
	400/5A	C-50	0.3	0.3	0.6	1.2	1.2
	500/5A	C-50	0.3	0.3	0.3	0.6	1.2
	600/5A	C-100	0.3	0.3	0.3	0.3	0.6
	750/5A	C-100	0.3	0.3	0.3	0.3	0.6
	800/5A	C-100	0.3	0.3	0.3	0.3	0.3
	1000/5A	C-100	0.3	0.3	0.3	0.3	0.3
	1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1500/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1600/5A	C-200	0.3	0.3	0.3	0.3	0.3
	2000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	2500/5A	C-200	0.3	0.3	0.3	0.3	0.3
	3000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	3500/5A	C-200	0.3	0.3	0.3	0.3	0.3

■ 외형치수 / Dimension





172-TYPE

원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 0.66kV

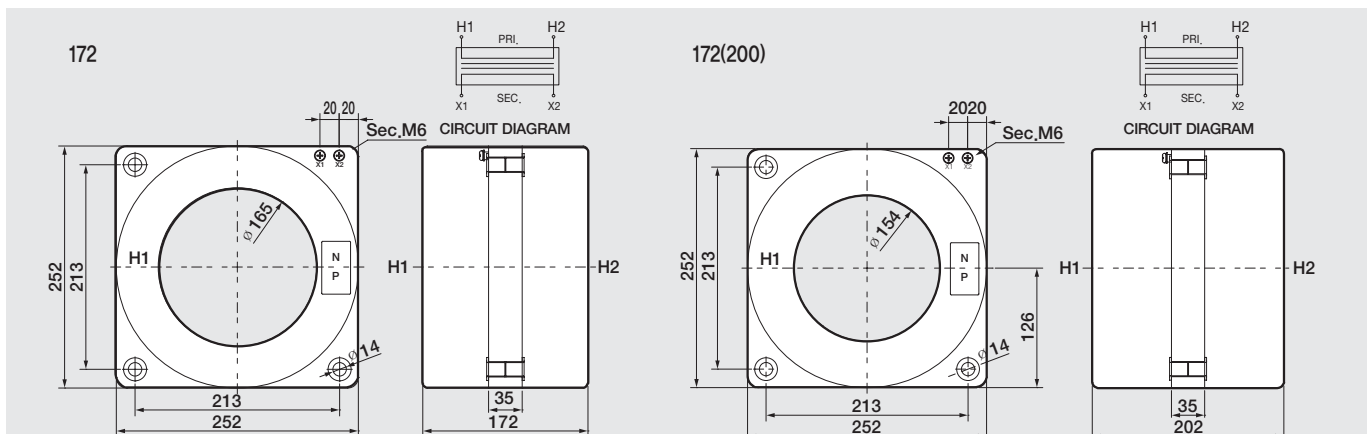
특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 환형 / Ring Type
- 옥내용 / For Indoor
- 계기용 및 계전기용 / Measuring & Relaying Application
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz, 50kA/1s

사양 / Specification

Type	정격전류 Rated Current	계전기용 계급 Relaying Class	계기용 계급 / Metering Class (at 60Hz)				
			B - 0.1 (2.5VA)	B - 0.2 (5.0VA)	B - 0.5 (12.5VA)	B - 0.9 (22.5VA)	B - 1.8 (45VA)
172-TYPE	100/5A	C-20	0.6	0.6	1.2	2.4	-
	150/5A	C-50	0.6	0.6	1.2	2.4	-
	200/5A	C-50	0.6	0.6	1.2	2.4	-
	250/5A	C-50	0.6	0.6	1.2	2.4	2.4
	300/5A	C-100	0.6	0.6	1.2	2.4	2.4
	400/5A	C-100	0.6	0.6	1.2	2.4	2.4
	500/5A	C-100	0.3	0.3	0.3	0.6	1.2
	600/5A	C-100	0.3	0.3	0.3	0.6	1.2
	750/5A	C-100	0.3	0.3	0.3	0.3	0.6
	800/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1000/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1200/5A	C-200	0.3	0.3	0.3	0.3	0.3
	1500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	1600/5A	C-400	0.3	0.3	0.3	0.3	0.3
	2000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	2500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	3000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	3500/5A	C-400	0.3	0.3	0.3	0.3	0.3
	4000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	5000/5A	C-400	0.3	0.3	0.3	0.3	0.3
	6000/5A	C-400	0.3	0.3	0.3	0.3	0.3
172-TYPE(200)	100/5A	C-50	-	-	-	-	-

외형치수 / Dimension





원자력용 영상 변류기

Zero Phase Current Transformer



10Z-30E1/CNP-10Z

원자력용 / For Nuclear

최고회로 전압

Max. Voltage : 0.66kV

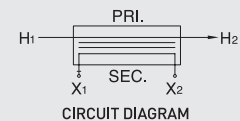
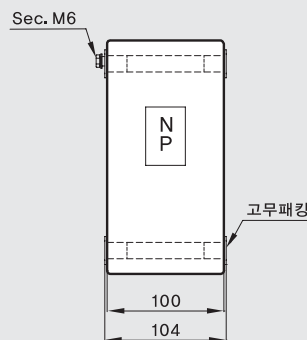
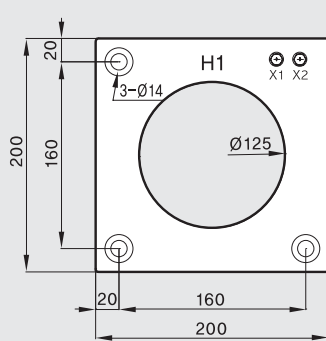
특징 / Feature

- 규격 / Standard : KEPIC EMB 5100
- 정격영상전류 / Rated Zero Phase Sequence Current
Primary : 300A, Secondary : 5A
- 오차계급 / Accuracy Class : C Class
- 정격부담 / Rated burden : 5VA
- 정격과전류 배수 / Rated over current factor : $n > 20$
- 60 or 50Hz, 50kA/1s

사양 / Specification

Type	정격전류 Rated Current	계급 Class	부담 Burden	연속전류정격 R.F	주파수 Freq.	중량 Weight(kg)	Note
10Z-30E1 / CNP-10Z	300 / 5A	C20	5 VA	2.0	60 or 50Hz	≒ 8.1	CLASS-1E / NON CLASS-1E

외형치수 / Dimension





고압 원자력용 변류기

HV Current Transformer



CBH-850

원자력용 / For Nuclear

Bar or Cable Primary CT

원자력 발전 I.P.B 용

■ 특징/Feature

- For Indoor / 7.2-12-17.5-24 kV
- For Outdoor / 7.2-12-17.5 kV
- Primary current / 10000 ~ 50000A
- Cast resin insulated
- Ith Up to 1000 Ipn
- Inner diameter / from $\varnothing 850\text{mm}$

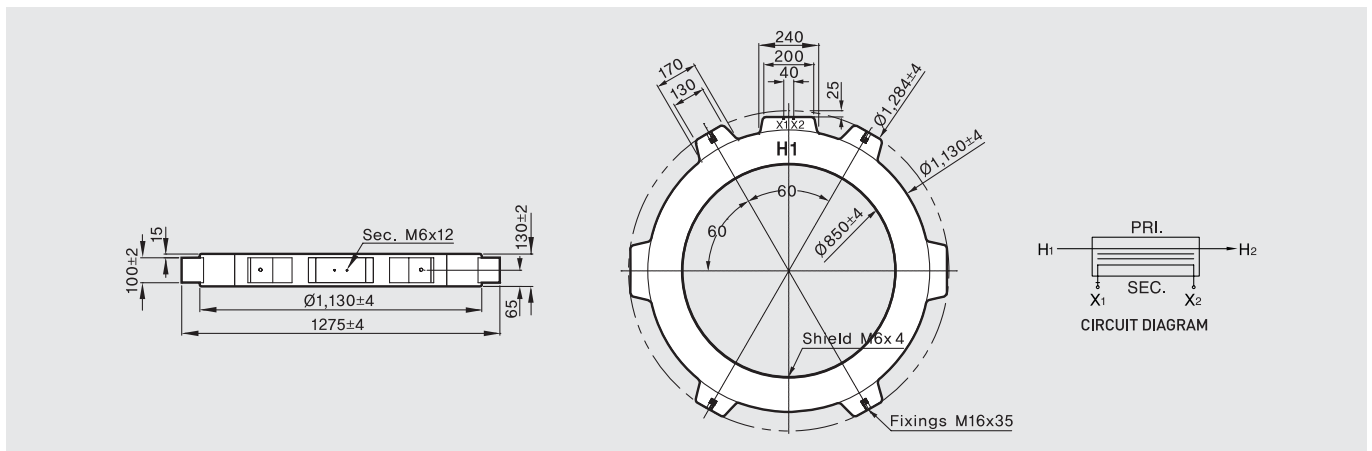
■ 사양/Specification

Type	CBH-850
Rated insulation level	7.2 / 20 / 60kV to 24 / 50 / 125kV
Primary current Ipn	10000 to 50000A
Secondary current Isn	5 or 1A
Frequency	50 or 60Hz
Rated output	1 to 1000VA
Accuracy class	0.1 0.2 0.2S 0.5 0.5S 1 3 5P 10P clx
Accuracy limit factor	5 10 15 20 30 50
Continuous thermal current	1.0, 1.33, 1.5, 2 / 1.2 Ipn
Short-time thermal current Ith	80 to 1000 Ipn
Dynamic current Idyn	2.5 Ith
Insulation class	E
Shield	Application
Ambient temperature	-30°C to +90°C
Standards	IEEE C57.13, IEC 61869-2, EMB 5100
Weight(kg)	≈ 185

Current transformer vacuum moulded in self extinguishing epoxy resin for the measurement of AC current from 10000 to 50000A.

This range of transformers is suitable for power generation. They have been designed to be installed in bus ducts between generator and transformer. They enable very high performance to be achieved.

■ 외형치수/Dimension





벽관통형 부싱

Wall-through type Bushing



CTB-24B(S) / CTB-24T(S) / CTB-24BT(S)

최고회로 전압

Max. Voltage : 7.2~25.8kV

■ 특징 / Feature

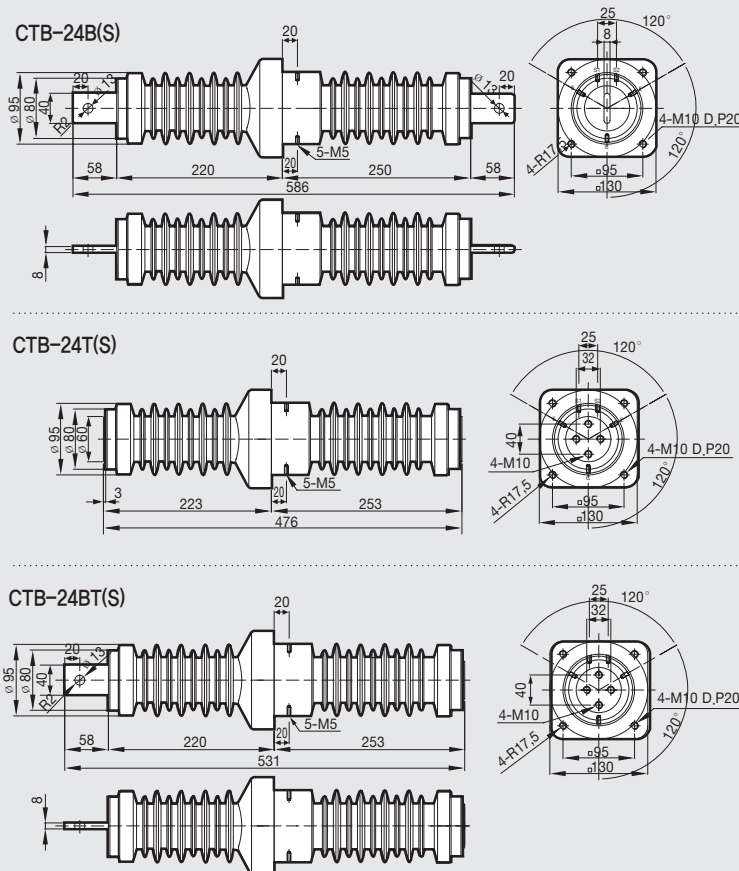
배전반 내에서 사용되는 전압전류센서 내장형 벽관통 부싱은 전기적 기계적으로 충분한 내구성을 가진 제품입니다. 전압, 전류측정 센서가 내장되어있어 활선표시기 연결 시 전압 및 전류 측정이 가능한 제품입니다.

Wall-through type bushing with voltage and current measuring sensor is a product that has a sufficient electrical and mechanical durability. The built-in voltage and current measuring sensor can be used to gauge voltage and current, if VST-VD360 is applied.

■ 사양 / Specification

타입 / Type	CTB-24B(S)	CTB-24T(S)	CTB-24BT(S)
최고 회로 전압 / Max. Voltage	25.8kV	25.8kV	25.8kV
절연 계급 / Insulation Level	25.8/50/125kV	25.8/50/125kV	25.8/50/125kV
단시간 전류 / Short time Current Max.kA	25kA/3s	25kA/3s	25kA/3s
최고 회로 전류 / Max. Current	600A		
중량 / Weight(kg)	≒ 5		

■ 외형치수 / Dimension



VST-VD360



■ 특징 / Feature

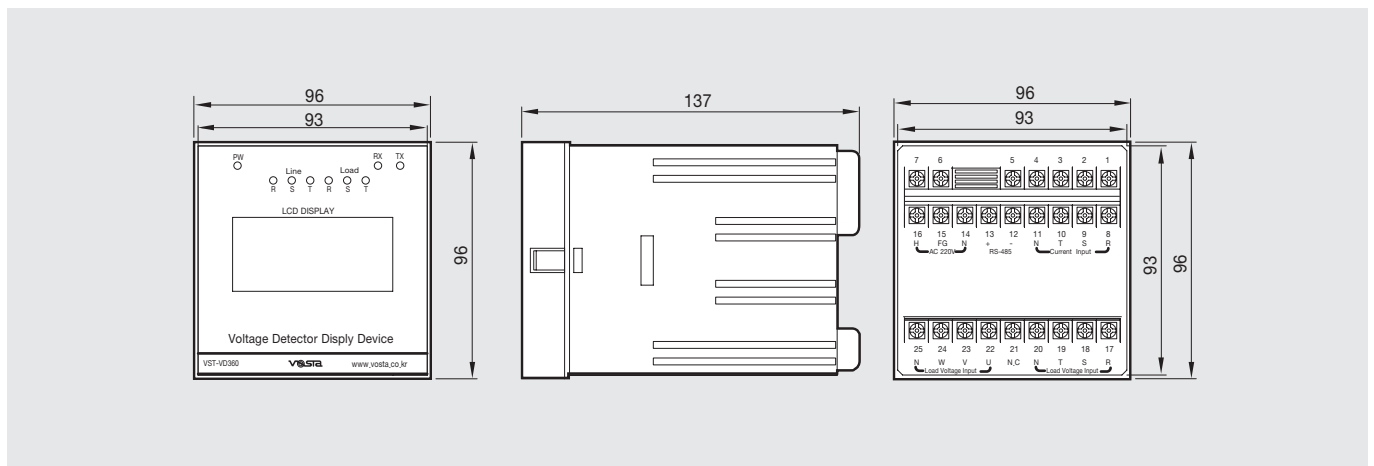
벽관통 부싱과 연결되는 제품으로 벽관통 부싱에서 측정된 전압 및 전류값을 표시해주는 장치입니다.

This product is connected to the wall-through type bushing.
This device can display the measured voltage and current value.

■ 사양 / Specification

타입 / Type	VST-VD360
입력전압 / Input Voltage	AC 3상 22900V
출력전류 / Output Voltage	AC 3상 0~630A
Bushing 정격 / Bushing Rated	25.8kV
동작전원 / Operating Power	AC 1상 220 V, 60Hz

■ 외형치수 / Dimension





벽관통형 부싱

Wall-through type Bushing



CTB-24

최고회로 전압

Max. Voltage : 7.2~12kV

■ 특징 / Feature

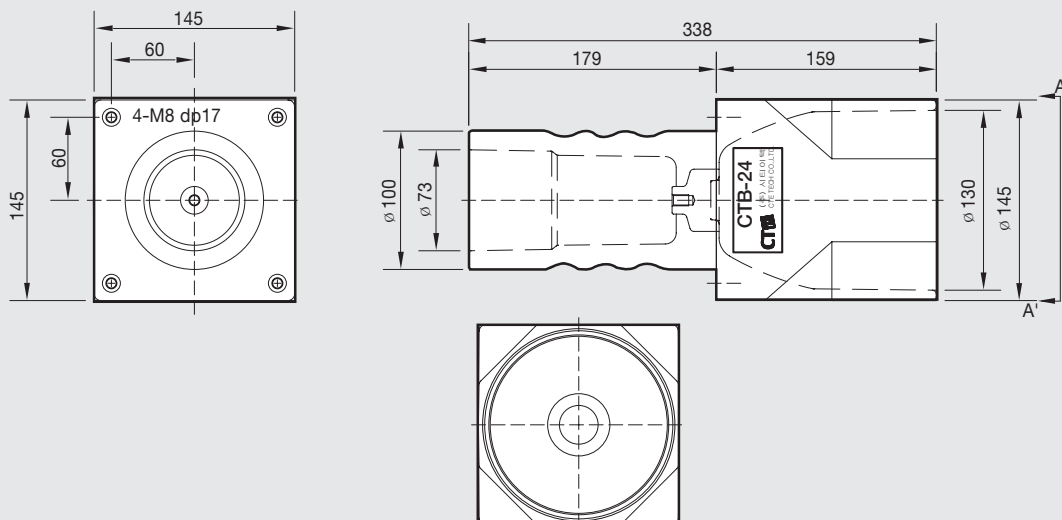
배전반 내에서 사용되는 벽관통 부싱은 전기적 기계적으로 충분한 내구성을 가진 제품입니다.

Wall-through type bushing is a product that has a sufficient electrical and mechanical durability.

■ 사양 / Specification

타입 / Type	CTB-24
최고 회로 전압 / Max. Voltage	12kV
절연 계급 / Insulation Level	12/28/75kV
단시간 전류 / Short time Current Max.kA	25kA/1s
최고 회로 전류 / Max. Current	200A
중량 / Weight(kg)	≒ 3

■ 외형치수 / Dimension





Cable Socket

최고회로 전압

Max. Voltage : 7.2~36kV

■ 특징 / Feature

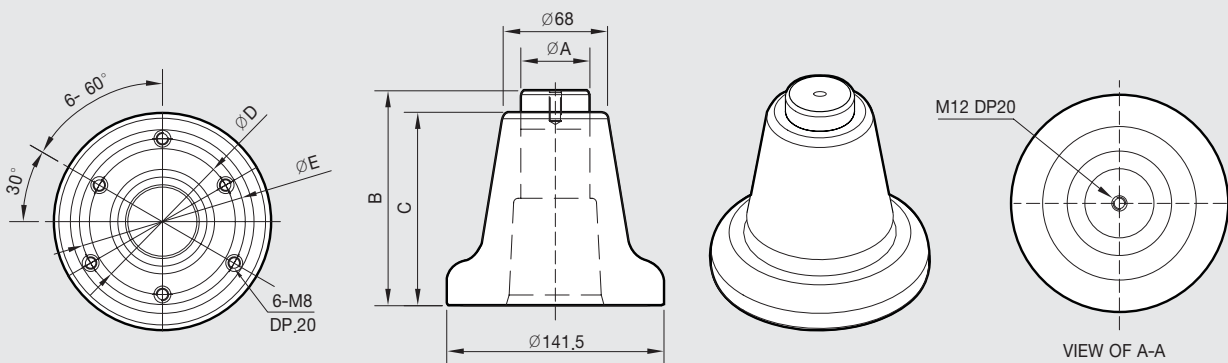
GIS 등의 케이블 플러그 연결용 소켓이며, EN50181, DIN47637 규격에 맞게 설계되어 있습니다. 케이블 플러그와 연결 사용 시 내구성이 뛰어난 제품입니다.

The plug socket for cable connection, such as GIS, is designed to fit the EN50181, DIN47637 standard. If it is used with the cable plug, it has excellent durability.

■ 사양 / Specification

타입 / Type	Size 1	Size 2	Size 3
최고 회로 전압 / Max. Voltage	25.8kV	25.8kV	25.8kV, 36kV
절연 계급 / Insulation Level	25.8/50/125kV	25.8/50/125kV	25.8/50/125kV, 36/70/170kV
단시간 전류 / Short time Current Max.kA	25kA/1s	25kA/1s	25kA/1s
최고 회로 전류 / Max. Current	630A	800A	1250A
중량 / Weight(kg)	≒ 1	≒ 2	≒ 3

■ 외형치수 / Dimension



타입 / Type	Socket : Size 1	Socket : Size 2	Socket : Size 3
A	Ø45	Ø50	Ø58
B	140	140	218
C	126	126	-
D	63.5	69.5	92.5
E	Ø95	Ø102	Ø130
F	Ø108	Ø122	Ø150



For Test



CONTENTS

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Current Burden Box	346
Auxiliary Voltage & Current Transformer	347
Tester & System	348



활선 전압 측정장치

Live Wire Voltage Sensor



LW-V100

측정용 / For Test

■ 특징 / Feature

활선 전압 측정 장치는 고압계통의 전압을 측정하는 장치입니다.

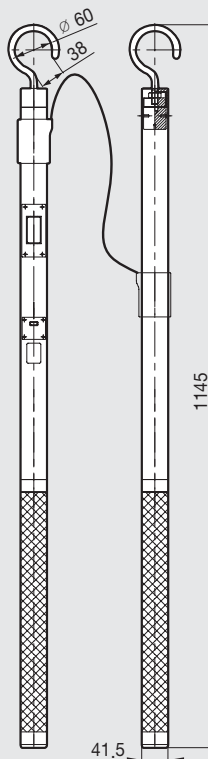
활선 상태인 가공전선로의 전압을 빠르고 정확하고 안전하게 측정할 수 있습니다.

The live wire voltage sensor can measure voltage on overhead powerline quickly, accurately and safely.

■ 사양 / Specification

측정전압 / Voltage Ranges	13.2kV
오차계급 / Accuracy Class	0.5
측정가능 도선 굵기 / Conductor Size	Ø38
작동온도 / Operating Temperature	-20℃~40℃
동작 전원 / Operating Power	DC 7.4V
연속 사용시간 / Continuous Operation Time	15 hour
총 길이 / Length(mm)	1145 mm
중량 / Weight(kg)	≒ 2.6kg

■ 외형치수 / Dimension





활선 전류 측정장치

Live Wire Current Sensor

For Test



LW-C100 측정용 / For Test

■ 특징 / Feature

활선 전류 측정 장치는 고압계통의 전류를 측정하는 장치입니다.

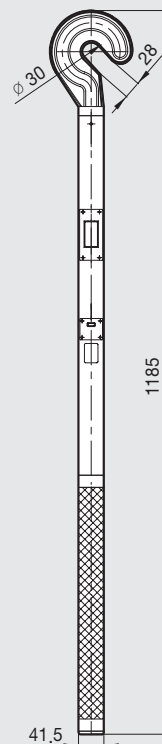
활선 상태인 가공전선로의 전류를 빠르고 정확하게 그리고 안전하게 측정할 수 있습니다.

The live wire current sensor can measure current on overhead powerline quickly, accurately and safely.

■ 사양 / Specification

측정전류 / Current Ranges	250A
오차계급 / Accuracy Class	0.5
측정가능 도선 굵기 / Conductor Size	Ø28
작동온도 / Operating Temperature	-20℃~40℃
동작 전원 / Operating Power	DC 7.4V
연속 사용시간 / Continuous Operation Time	15 hour
총 길이 / Length(mm)	1185 mm
중량 / Weight(kg)	≒ 1.8kg

■ 외형치수 / Dimension





표준용 변압기

Standard Voltage Transformer



측정용 / For Test

SPT-1, 2, 3, 25, 33

■ 특징 / Feature

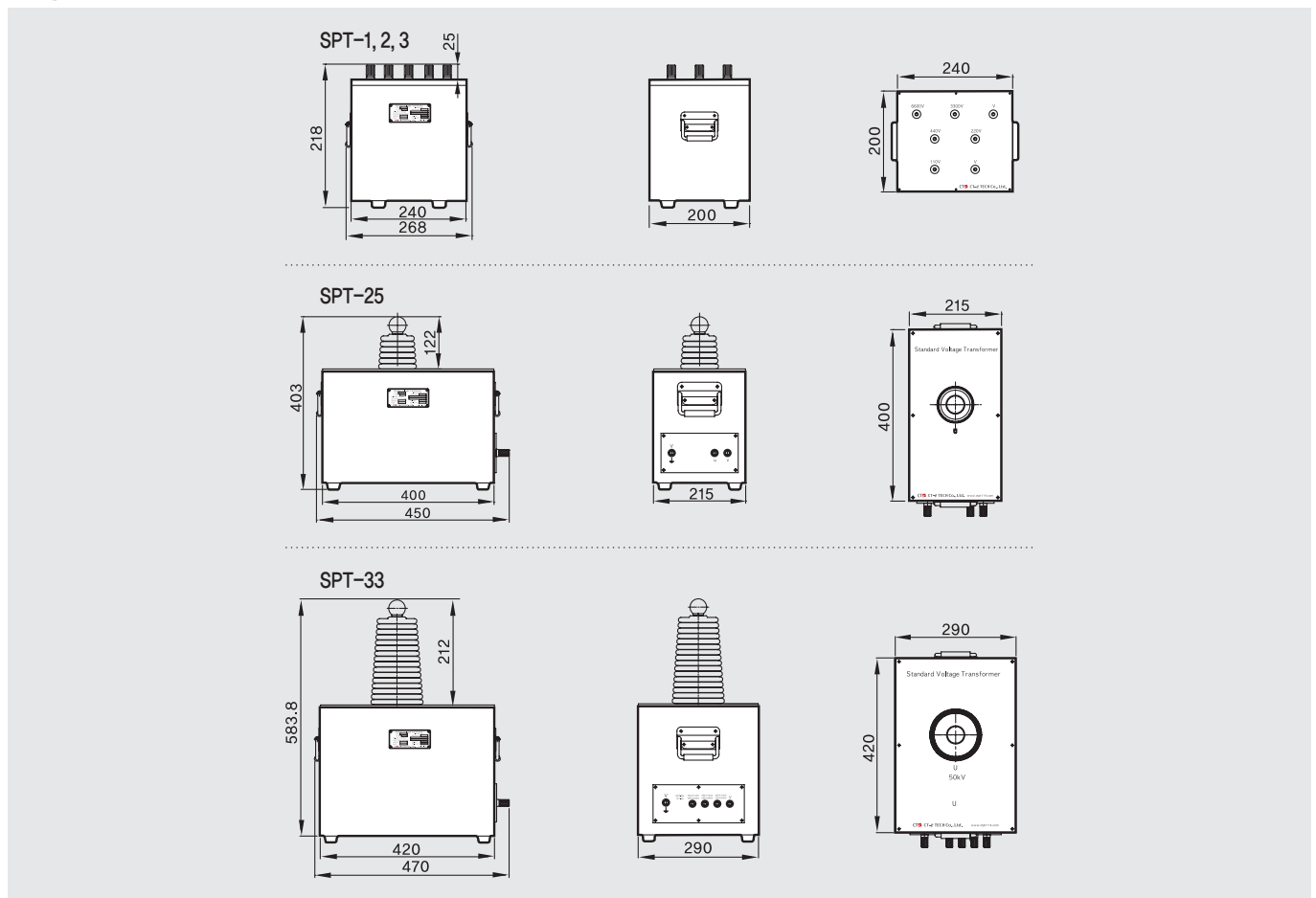
- 주문형 / By Ordering
- 옥내용 / For Indoor
- 정밀급 설계 / Precise Class (0.1%, 0.2%, 0.01%, 0.005%)

■ 사양 / Specification

Type	최고전압 Max. Volt.	1차 전압 Pri. Volt.	2차 전압 Sec. Volt.	계급 Class	부담 Burden	중량 Weight(kg)
SPT-1	1.15kV	440/380/220V	110V / 220V	0.1 / 0.2	15 VA	≒ 20
SPT-2	7.2kV	6600/3300/2200/440/220V				
SPT-3	7.2kV	6600/3300/2200/1100 V				
SPT-25	25.8kV	22000/13200/11000V	110V	0.02	5 VA	≒ 40
				3.0	300VA	
SPT-33	34.5kV	33000/22000/11000V	110V	0.1	5 VA/15VA	≒ 43
				3.0	500VA	

※ 제품 사양에 따라 사이즈가 달라질 수 있습니다 (Product dimensions are subject to change by specifications).

■ 외형치수 / Dimension





측정용 / For Test

SPT-22, 32, 55, 72, 132

■ 특징 / Feature

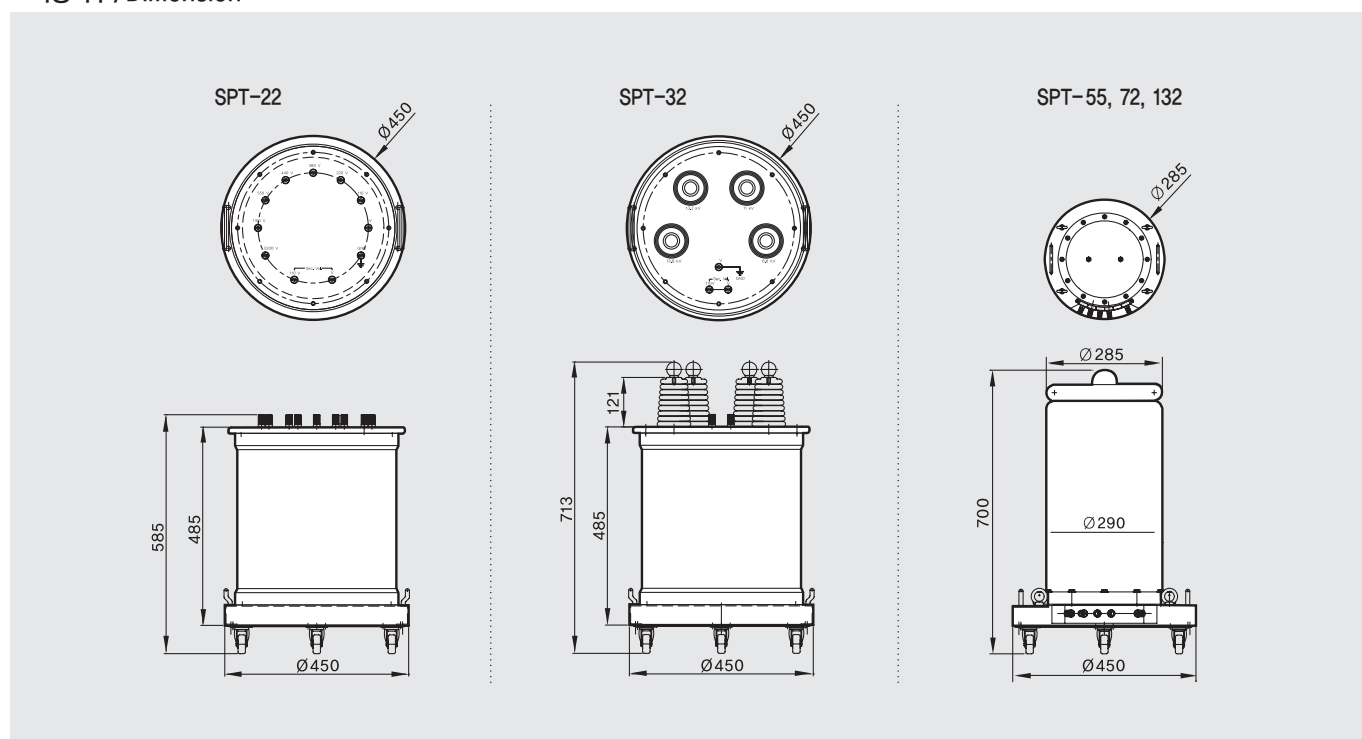
- 주문형 / By Ordering
- 옥내용 / For Indoor
- 정밀급 설계 / Precise Class (0.1%, 0.2%, 0.01%, 0.005%)

■ 사양 / Specification

Type	최고전압 Max.Volt.	1차 전압 Pri.Volt.	2차 전압 Sec.Volt.	계급 Class	부담 Burden	중량 Weight(kg)
SPT-22	3.45kV	3300~110V	110V	0.005 0.01 0.02 0.1	5 VA	≒ 95
SPT-32	27.4kV	22900/6600 V	110V		5 VA	≒ 105
SPT-55	60kV	55000/33000 V	110V		5 VA/15VA 500VA	≒ 60
SPT-72	72kV	66000/33000V	110V	0.1 / 0.01 3.0	5 VA/15VA 3kVA	≒ 60
SPT-132	145kV	132000/110000 V	110V		5 VA/15VA 3kVA	≒ 75

※ 제품 사양에 따라 사이즈가 달라질 수 있습니다 (Product dimensions are subject to change by specifications).

■ 외형치수 / Dimension





표준용 변류기

Standard Current Transformer



SCT-015A~300 측정용 / For Test

■ 특징 / Feature

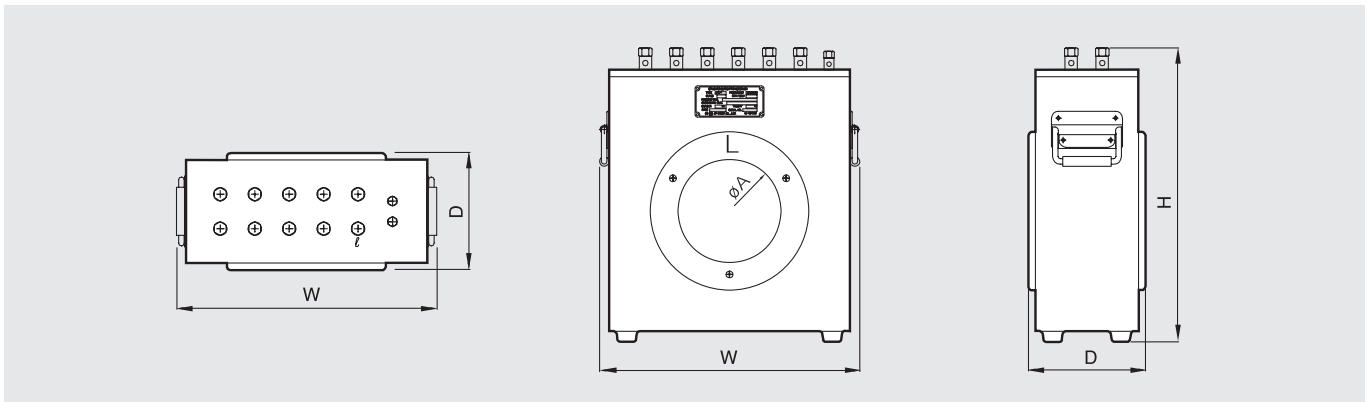
- 주문형 / By Ordering
- 옥내용 / For Indoor
- 정밀급 설계 / Precise Class (0.1%, 0.2%, 0.01%, 0.005%)

■ 사양 / Specification

Type	최고전압 Max.Volt.	1차 전류 Pri.Cur.	2차 전류 Sec.Cur.	계급 Class	부담 Burden	중량 Weight(kg)	치수 / Dimension(mm)			
							W	D	H	A
SCT-015A	1.15kV	1500/1T, 750/2T, 500/3T, 300/5T, 250/6T (Throughout Type) 150-100-50-30-15-10/5A (Binding Post Type)	5A or 1A	0.1 / 0.2	15 VA	≒ 13	378	170	427	Ø150
SCT-015B	1.15kV	1500/1T, 750/2T, 500/3T (Throughout Type) 300-150-100-50-30-10/5A (Binding Post Type)	5A or 1A	0.1 / 0.2	15 VA	≒ 13	338	155	387	Ø75
SCT-015H	7.2kV	1500/1T, 750/2T, 500/3T, 300/5T, 250/6T (Throughout Type) 150-100-50-30-15-10/5A (Binding Post Type)	5A or 1A	0.1 / 0.2	15 VA	≒ 13	338	155	387	Ø75
SCT-100	1.15kV	300-200-100A / 5A (Binding Post Type)	5A or 1A	0.1	15 VA	≒ 9	289	120	290	Ø100
		3000A, 1500A, 500A / 5A (Throughout Type)		0.2	15 VA	≒ 13	308	140	357	Ø100
		800-500-300A / 0.2A (Throughout Type) 150-100A / 0.2A (Binding Post Type)	0.2A or 1A	0.05	5 VA	≒ 9	338	155	387	Ø100
SCT-150	1.15kV	12kA, 10kA, 7.5kA, 6kA, 5kA, 4kA, 3kA, 2kA, 1kA (Binding Post Type)	5A or 1A	0.005	5 VA	≒ 20	378	170	427	Ø150
SCT-200	1.15kV	5000A, 4000A, 2000A (Throughout Type)	5A or 1A	0.005~	5 VA	≒ 25	458	170	507	Ø200
				0.01~0.2	15 VA					
SCT-250	1.15kV	10kA, 7kA, 6kA, 5kA, (Throughout Type)	5A or 1A	0.005~	5 VA	≒ 25	488	170	527	Ø250
		40kA, 30kA, 20kA, 10kA, (Throughout Type)	5A or 1A	0.01	15 VA					
SCT-300	1.15kV	7kA, 6kA, 5kA, 4kA, 3kA, 2kA, 1kA (Throughout Type)	5A or 1A	0.2	15 VA	≒ 25	558	180	607	Ø300

※ 제품 사양에 따라 사이즈가 달라질 수 있습니다 (Product dimensions are subject to change by specifications).

■ 외형치수 / Dimension





전압 부담 박스 Voltage Burden Box

For Test



VST-33 측정용/For Test

■ 특징/Feature

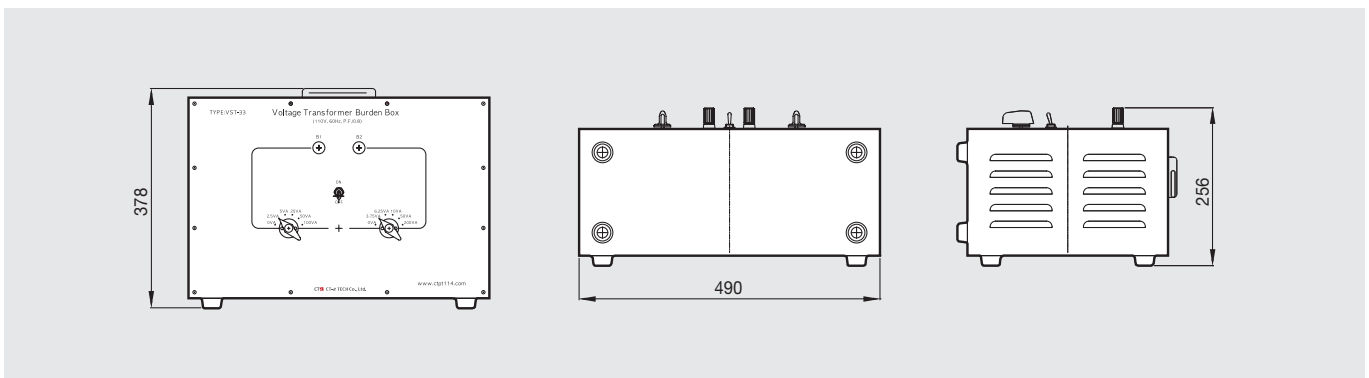
- 주문형 / By Ordering
- 시험용 / Testing Application
- 다양한 형태 / Rack Mounting Type, Handy Carry Type

■ 부담박스 (P.T용) / Burden Box for P.T

Type	VST-33
2차 전압 / Sec. Voltage	110V (Option : 63.5V)
주파수 / Frequency	60Hz (Option : 50Hz)
부담 / Burden (by order)	0~41.75VA (0.25 VA step) 0~108.75VA (1.25 VA step) 0~300VA 0~500VA 0~1000VA 0~3000VA
역률 / Power factor	1 / 0.9 / 0.8 / 0.5 / 0.2 (by order)

※ 제품 사양에 따라 사이즈가 달라질 수 있습니다 (Product dimensions are subject to change by specifications).

■ 외형치수/Dimension





전류 부담 박스

Current Burden Box



VST-34

측정용 / For Test

■ 특징 / Feature

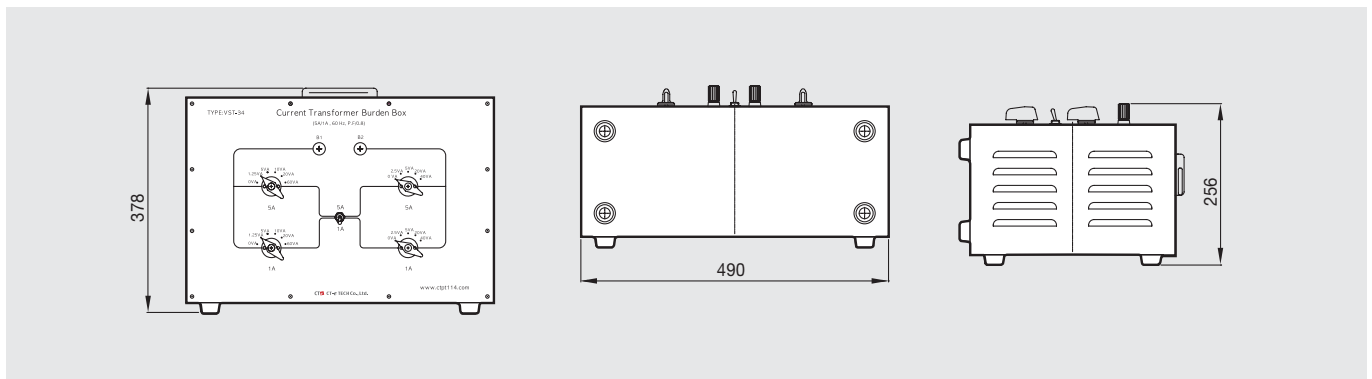
- 주문형 / By Ordering
- 시험용 / Testing Application
- 다양한 형태 / Rack Mounting Type, Handy Carry Type

■ 부담박스 (C.T용) / Burden Box for C.T

Type	VST-34
2차 전류 / Sec. Current	5A (Option : 1A)
주파수 / Frequency	60Hz (Option : 50Hz)
부담 / Burden (by order)	2.5 / 3.75 / 5 / 6.25 VA and 7.5 – 200VA 2.5 / 3.75 / 5 / 6.25 / 10 / 15 / 25 / 40 VA
역률 / Power factor	1 / 0.9 / 0.8 / 0.5 / 0.2 (by order)

※ 제품 사양에 따라 사이즈가 달라질 수 있습니다 (Product dimensions are subject to change by specifications).

■ 외형치수 / Dimension





보상 CT / PT

Auxiliary Voltage & Current Transformer

For Test

VST-35/VST-36

측정용 / For Test



■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing Application
- 다양한 형태 / Rack Mounting Type, Handy Carry Type

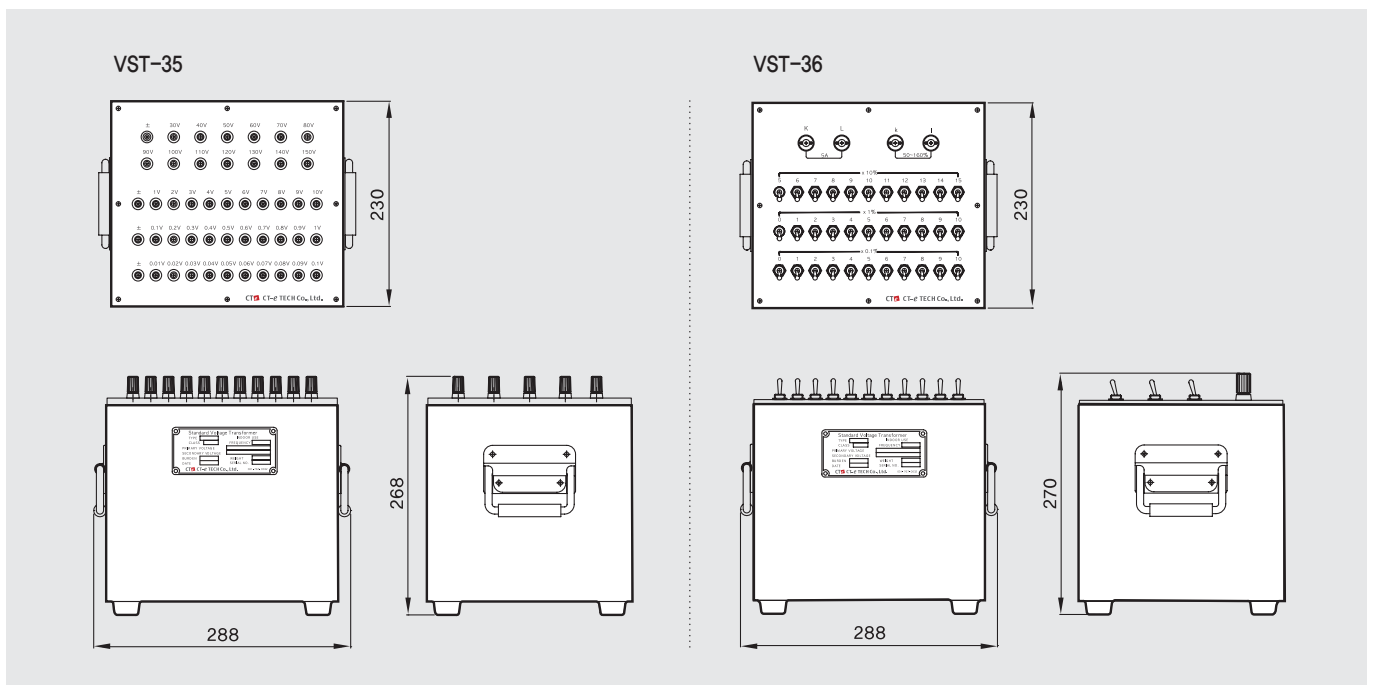
■ 보상 P.T / Auxiliary Voltage Transformer

Type	VST-35
부담 / Burden	less than 5VA
주파수 / Frequency	60Hz / 50 Hz
계급 / Class	0.1
전압 / Voltage	Max. 161.1V
범위 / Range (0.01V step)	No.1 0~150V in 10V steps No.2 0~10V in 1V steps No.3 0~1V in 0.1V steps No.4 0~0.1V in 0.01V steps

■ 보상 C.T / Auxiliary Current Transformer

Type	VST-36
1차 전류 / Pri.Current	Max. 5A
2차 전류 / Sec.Current	Max. 10A
범위 / Range of (%)	50~160
계급 / Class	0.1
부담 / Burden	less than 10VA
주파수 / Frequency	60Hz / 50Hz

■ 외형치수 / Dimension





변류기 여자전압 특성시험기

CT Excitation Voltage Tester

측정용 / For Test

VST-10A

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose



일체형

전원부 분리형

■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220V 50/60Hz
출력전압 / Output Voltage	AC 0~2000V
출력전류 / Output Current	AC 0~10A (20A Option)
항복전압 / Knee Point	30°, 45°, 10%~50%
적용규격 / Standard	IEC 60044-1, ANSI C57.13

측정용 / For Test

VST-30A

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose



■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220V 50/60Hz
출력전압 / Output Voltage	AC 0~2000V
출력전류 / Output Current	AC 0~30A
항복전압 / Knee Point	30°, 45°, 10%~50%
적용규격 / Standard	IEC 61869-2, ANSI C 57.13



측정용 / For Test

VST-33L

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification (저전압, 저전류형)

입력전압 / Input Voltage	AC 1Ø 220V 60Hz
출력전압 / Output Voltage	AC 110, 220, 380, 460, 600, 1100 V
출력전류 / Output Current	AC 0-1500 A / 1A, 5A



측정용 / For Test

VST-33H

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification (고전압, 대전류형)

입력전압 / Input Voltage	AC 1Ø 220V 60Hz
출력전압 / Output Voltage	AC 110, 220, 380, 460, 600, 1100 V 2.2, 3.3, 6.6, 13.2, 22.9, 36kV / 110V
출력전류 / Output Current	AC 0-1500A, 0-5000A / 1A, 5A



전압 · 전류 발생장치

Voltage & Current Equipment

측정용 / For Test

VST-37

■ 특징 / Feature

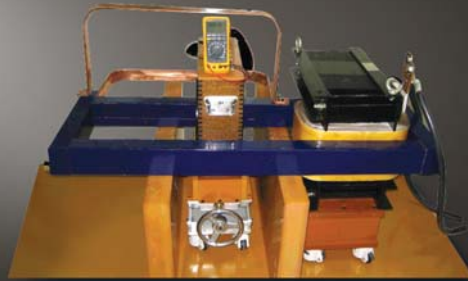
- 주문형 / By Ordering
- 시험용 / Testing purpose
- 휴대용 / Handy Carry Type



Voltage Power Trans

Variable Voltage Trans

Current Power Trans



전압 전류발생장치 콘트롤패널 /
Voltage & Current Control Panel

■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220 / 380 V
출력용량 / Capacity	200kVA
출력전압 / Output Voltage (2 kVA)	110, 220, 380, 440, 660, 880, 1000, 1100, 2200, 3300, 6600, 13200, 22900, 30000, 70000, 100000V
출력전류 / Output Current	10 ~ 1,000A (4 kVA) 1000 ~ 5,000A (10 kVA) 1000 ~ 5,000A (20 kVA) 3000 ~ 10,000A (50 kVA) 10000 ~ 50,000A (200 kVA)



교류 내전압 시험기

AC Dielectric Tester



측정용 / For Test

VST-38-100k

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

For Test



고정밀 교류 내전압 시험기

High Class AC Dielectric Tester



측정용 / For Test

VST-38

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification (고전압, 대전류형)

입력전압 / Input Voltage	AC 1 Ø 220 / 380 V
출력전압 / Output Voltage	10, 60, 75, 100, 132 kV
출력전류 / Output Current	0~100 mA



유도 내전압 특성시험기

Magnetic Induction Special Tester



측정용 / For Test

VST-39

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

가변 주파수 / Frequency Range	50 ~ 400 Hz
가변 출력전압 / Output Voltage Range	AC 1Ø / 3Ø 0 ~ 440 V
정격 출력 / Rated Power	5, 10 kVA
내전압 / Dielectric Voltage	AC 0~50 kV, 0~100 kV



인버터 정전류 발생장치

Inverter Current Standard Equipment



측정용 / For Test

VST-42

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220V, 60Hz
출력전류 / Output Current	AC 0~50A, 100~5000A



플라즈마 토치 전원장치

Plasma Torch Power Supply System



측정용/For Test

VST-40

■ 특징/Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양/Specification

입력전압 / Input Voltage	AC 3Ø 380 & 440V (User 사양가능)
출력전압 / Output Voltage	DC 0 ~ 1200V (User 사양가능)
출력전류 / Output Current	100 ~ 2000A (User 사양가능)



정전압, 정주파수 변환장치

Frequency Converter Regulator [F.C.R]



■ 사양/Specification

MODEL	VCP-1010	VCP-3010	VCP-1030	VCP-3030
Output Capacity	200VA~20KVA	5KVA~20KVA	500VA~20KVA	7.5KVA~20KVA
Circuit Type	P.A.M(Power Amplifier Modulation)			
Input Voltage	100V~440V 지정가능 1PHASE or 3PHASE(±10%)			
Input Frequency	50Hz / 60Hz			
Output Voltage	0~300V(option : 0~700), 1PHASE or 3PHASE			
Voltage Stability	≤ ±0.5%			
Output Frequency	50, 60, 400, 40~999Hz(option : 10~5000Hz)			
Frequency Stability	≤ ±0.01%			
T.H.D	≤ 3%			
Protector	Electronic Circuit / Over Load / Short Circuit			
Frequency Meter	LED Digital Display Res 0.1Hz			
V.A-Meter	True RMS LED Digital Display			
Temperature	0~40℃			
Humidity	0~90%			
Output Wave	True sine Wave			
Option	Output Voltage : 0~700V or 희망전압 설정 가능			
	Output Frequency 10~5000Hz			
	Output Measuring Function			
	RS-232 통신제어가능			



순시 과전류 시험기

Instant Overload Tester



측정용 / For Test

VST-46

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220V / 380V
출력 저항 / Output Resistance	0~5, 10, 20V
출력전류 / Output Current	0~10, 20, 30kA



싸이클 및 타임 카운터

Sequence Timer System



측정용 / For Test

VST-47

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 1Ø 220V 60Hz
시간설정 / Time Setting	0000.01mS, 0000.01Cycle ± 1 Digit
접점용량 / Contact Capacity	AC / DC 0~20A



발전기용 시험기

Generator Controller Equipment

For Test



측정용 / For Test

VST-49

■ 사양 / Specification

입력전압 / Input Voltage	AC 1 Ø 220 V
출력전압 / Output Voltage	AC 1 Ø 0~460 V
저항범위 / Resistance Range	0~999 Ω, 0~999 KΩ
전압발생 / Generator Voltage	AC 0~220 V
출력전류 / Output Current	AC 0~5 A

※기타 사양 Option 추가가능



과전류 시험기

Heat Cycle & Over Load Tester



측정용 / For Test

VST-50

■ 사양 / Specification

입력전압 / Input Voltage	AC 1 Ø 220 V
출력전류 / Output Current	0~100 A 0~300 A 0~500 A 100~1,000 A
동작시간 / On/Off Time	0~999 H, Variable
제어형 / Control Type (Option)	Inverter & Slidacs



배선기구 내구성 시험기

Wiring Appliance & Circuit Breaker Endurance Tester



VST-51

측정용 / For Test

■ 사양 / Specification

입력전압 / Input Voltage	AC 1 Ø 220 V
스트로크범위 / Stroke Range	10~100 mm
공기압 / Air Pressure	6 kg/cm ²
동작시간 / On/Off Time	0~1 Hour



저압, 고압 차단기 개폐 특성 시험기

Low & High Voltage On/off Special Tester



AC/DC 전원시스템

콘트롤 제어판넬

VST-55

측정용 / For Test

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 3 Ø 220V / 440V, 60Hz
출력전압 / Output Voltage	AC 24V~275V, DC 24V~275V 60%, 70%, 80%, 100%, 110%, 125%
출력전류 / Output Current	AC 0~200A, DC 0~200A



마이크로 옴 메타 Micro ohm Tester



VST-M100

측정용 / For Test

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 1 Ø 220V
측정 저항 / Measuring Resistance	0~4600 $\mu\Omega$ Max.
출력전류 / Output Current	0~120A
용량 / Capacity	600VA
측정 저항 / Measuring Resistance	0~4600 $\mu\Omega$ Max.
정확도 / Accuracy	±1%

※Option : Calibration Shunt 100A/100mV



교류 내전압 시험기 AC Dielectric Tester



HV Transformer

Voltage Divider

Voltage Regulator

Control Equipment

측정용 / For Test

VST-38-300K

■ 특징 / Feature

- 주문형 / By Ordering
- 시험용 / Testing purpose

■ 사양 / Specification

입력전압 / Input Voltage	AC 1 Ø 220V / 380V
출력전압 / Output Voltage	100, 150, 200, 250, 300kV
출력전류 / Output Current	0~100mA



제조설비

Manufacturing Equipment

With Best Product Line

안정적인 전력 공급과 보호 제어에 필요한 제품을 만드는 기술,
최상의 솔루션으로 고객에게 더 큰 가치를 제공합니다.

발전소에서 대규모 플랜트 및 수용가까지 안정적인 전력공급과 보호제어를 위한 제품을 생산하고 있는 시티이텍은 시스템 성능, 안전 및 환경 요건에 맞는 완벽한 솔루션을 제공합니다. 전문가적 역량으로 설계 단계에서부터 고객의 개별적 요구에 맞는 가장 경제적이고 효율적인 솔루션과 함께 24시간 범세계적인 글로벌 지원 서비스를 받으실 수 있습니다.

변압기, 변류기 자동시험 시스템 **측정용/For Test**

Voltage & Current Transformer Automation Test System



메인 제어시스템



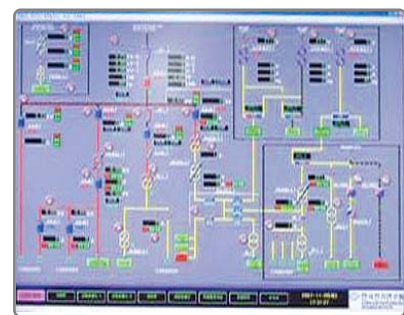
변압기 측정설비



변성기 측정설비



컴퓨터 측정 시스템



대형모니터 계통 흐름도



수중플라즈마 폐액처리 시스템 측정용/For Test

Underwater Plasma Power System



전원시스템



폐액처리 반응로



공조 시스템



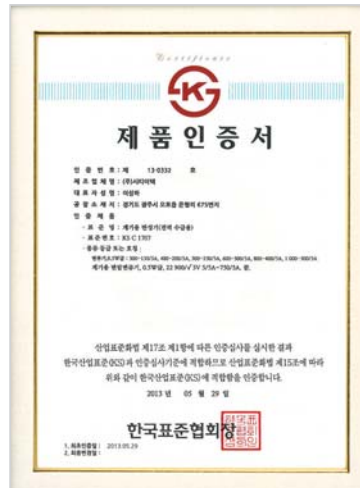
제어 시스템



특허 및 인증 Patents and Certification



KS 제품인증서
KS C 1706



KS 제품인증서
KS C 1707



품질경영시스템 인증서
ISO 9001 Certification



환경경영시스템 인증서
ISO 14001 Certification



CE 인증서
CE Certification



CE 인증서
CE Certification



전력산업기술기준 자격인증서
KEPIC Certification



특허증
Patent Registration



특허증
Patent Registration



품질경영시스템 인증서
ISO 9001 Certification



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Patent Registration



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Patent Registration



특허 및 인증 Patents and Certification



공인검수시험면제증



공인검수시험면제증



공인검수시험면제증



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■ Memo



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Incessant Technical development
and Best Quality Products
- Our Core Values

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