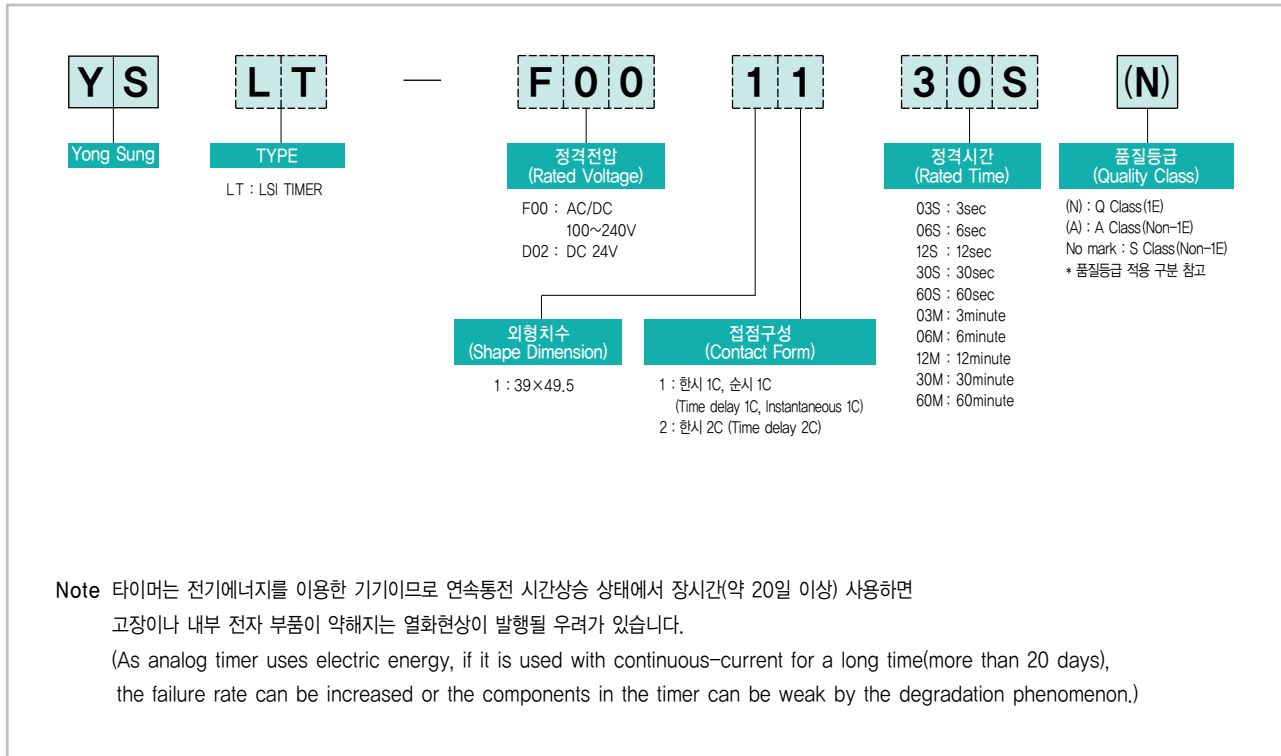


10-3 | 타이머 TIMER

형식 구분도 | Type classification diagram |



특징 | Features |

- 타이머 전용 IC를 사용한 발진계수 주파수 분할방식입니다.
- Power ON, Time UP 표시등으로 동작상태 표시됩니다.
- IEEE 323(KEPIC END 1100) 적용하여 내환경검증
- IEEE 344(KEPIC END 2000) 적용하여 내진검증
- U.S. NRC Regulatory Guide 1.180(2003) 적용하여 전자파 검증
- This is oscillating coefficient frequency dividing method using IC for exclusive use of timer.
- Operating state will be clearly indicated by pilot lamp (Power ON, Time UP).
- Environmental qualification by IEEE 323(KEPIC END 1100)
- Seismic qualification by IEEE 344(KEPIC END 2000)
- EMC qualification by U.S. NRC Regulatory Guide 1.180(2003)

부품 재질 | Part materials |

부품 (Part)	재질 (Materials)
커버 (Cover)	PC resin
다리얼 (Dial)	PC resin
전자회로기판 (PCB)	Epoxy sheet (FR-4)
플러그 (Plug)	Phenolic resin
플러그 핀 (Plug pin)	황동 (Brass)

타이머 TIMER

성능 개요 | Performance summary |

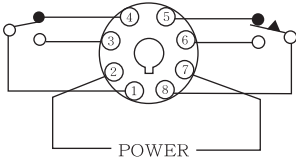
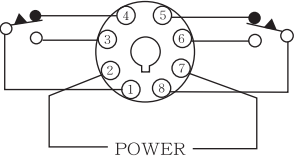
절연저항 (Insulation resistance)		100MΩ 이상 (Above 100 MΩ), DC 500V MEG.
내전압 (Withstand voltage)	접점간 (Between contacts)	AC 750V / 1 min (50 ~ 60Hz)
	접점과 코일 (Coil to contact)	AC 1,500V / 1 min (50 ~ 60Hz)
	단자와 외함 (Plug pin to shell)	AC 2,500V / 1 min (50 ~ 60Hz)
시간오차 (Time error)	Set 오차 (Set error)	최대 지시 값의 ±5% (±5% of Full scale)
	반복오차 (Repetition error)	최대 지시 값의 ±0.5% (±0.5% of Full scale)
	전압오차 (Voltage error)	최대 지시 값의 ±0.5% (±0.5% of Full scale)
	온도오차 (Temperature error)	최대 지시 값의 ±5% (±5% of Full scale)
릴레이 정격 (Relay rating)	접점정격 (Contact rating)	AC 250V 3A, 저항부하 (Resistive load)
	접촉저항 (Contact resistance)	50mΩ 이하, 초기치 (Below 50mΩ, initial value)
	전기적수명 (Electrical lifetime)	100,000회 (100,000 times)
소비전력, 최대 (Power consumption, max)		DC 24V : 1.5 W, F00 : 3.5VA/2.5W at AC/DC 240V
복귀시간 (Return time)		20ms 이하 (Below 20ms)
내진동 (Vibration resistance)		10 ~ 55Hz Double amplitude 1.0mm
사용 주위온도 (Ambient temperature)		-25 ~ 55°C (-13 ~ 140°F)
상대습도 (Relative humidity)		Max. 95%
압력 (Pressure)		대기압 (Atmospheric)
방사선 (Radiation)		100 Gy (TID)
보관온도 (Storage temperature)		-25 ~ 60°C 결로되지 않는 조건 (Without condensation)
중량 (Weight)		약 115g (About 115g)

기기검증 조건은 문의 바랍니다. (Please contact us for equipment qualification condition.)

형식 및 시간 사양 | Type and time specification |

형식 (Type)	시간사양 (Time spec.)		
YS LT 노출형 (소켓부착용) Exposed type (For socket attachment)	최대눈금 (Max. scale)	최소눈금 (Min. scale)	제어시간범위 (Control time range)
YS LT-03S	3 sec	0.05 sec	0.05sec ~ 3 sec
YS LT-06S	6 sec	0.1 sec	0.1 sec ~ 6 sec
YS LT-12S	12 sec	0.2 sec	0.2 sec ~ 12 sec
YS LT-30S	30 sec	0.5 sec	0.5 sec ~ 30 sec
YS LT-60S	60 sec	1 sec	1 sec ~ 60 sec
YS LT-03M	3 min	3 sec	3 sec ~ 3 min
YS LT-06M	6 min	6 sec	6 sec ~ 6 min
YS LT-12M	12 min	12 sec	12 sec ~ 12 min
YS LT-30M	30 min	30 sec	30 sec ~ 30 min
YS LT-60M	60 min	60 sec	60 sec ~ 60 min

결선/동작 패턴 | Wiring/Operating pattern |

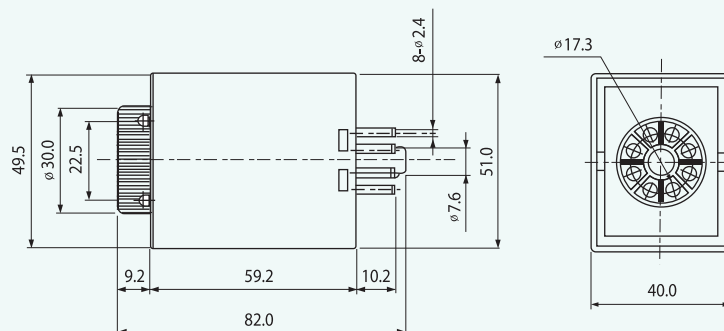
접점구성 (Contact form)	결선 (Wiring)	동작패턴 (Operating pattern)
Form 1 한시 1C, 순시 1C (Time delay 1C, Instantaneous 1C)		입력(input) (2-7)  순시(Instantaneous) (1-3)  순시(Instantaneous) (1-4)  한시(time delay) (8-6)  한시(time delay) (8-5) 
Form 2 한시 2C (Time delay 2C)		입력(input) (2-7)  한시접점 a (time delay a contact) (1-3)(8-6)  한시접점 b (time delay b contact) (1-4)(8-5) 

RELAYS

외형 치수도 | Shape dimension |

(Unit : mm)

YSLT-1



적용 소켓 (Socket) : YSSK08