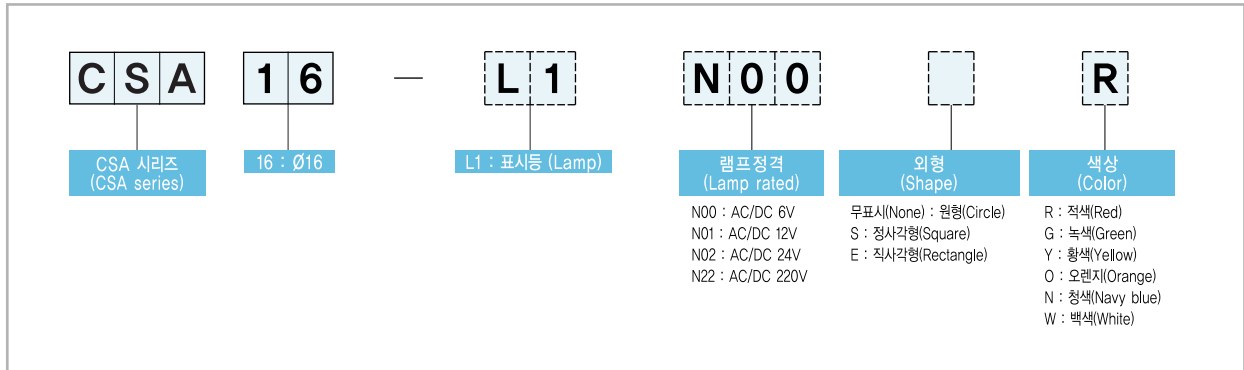


3-1-1

표시등 Lamp

형식 구분도 | Type Classification Diagram |

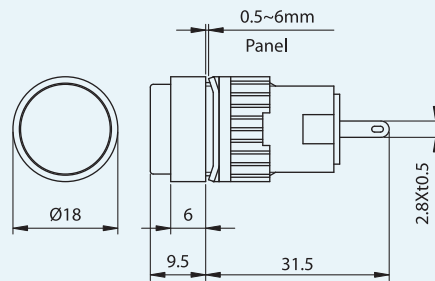


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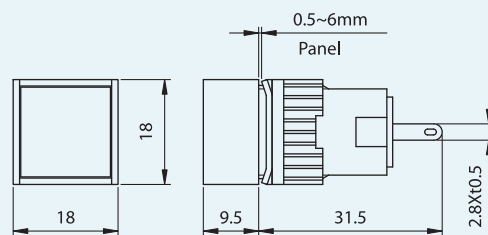
외형 / 치수도 | Shape / Dimension Drawing |

(unit : mm)

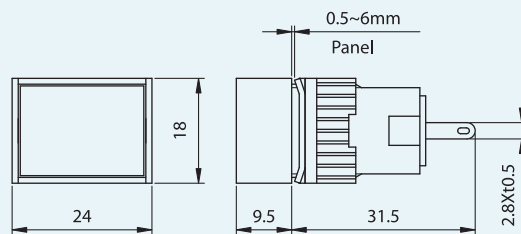
원형 (Circle)



정사각형 (Square)



직사각형 (Rectangle)



Ø16 시리즈

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CSA16 시리즈
CSA16 Series

특징 | Features |

- 일체형 무극성 LED 적용하여 AC/DC 공용 사용 가능합니다. (LED 교체불가)
- 조작부와 접점부가 분리형으로 되어 교체가 쉽습니다. (표시등 제외)
- Usable for both AC/DC by applying non-polarity LED. (Disable to replace LED)
- It is easy to exchange because control part and contact part are separated. (Except pilot lamp)

성능 개요 | Performance Summary |

절연 저항 (Insulation resistance)	Above 100MΩ (DC 500V meg)
접촉 저항 (Contact resistance)	Below 50mΩ (초기치(Initial value))
내전압 (Withstand voltage)	접점과 접점 (Between contacts) : AC 1,000V/min.
	접점과 램프 (Contact to lamp terminal) : AC 1,500V/min.
기계적 수명 (Mechanical life time)	500,000회(times) (분당 30회(30 times/1minute))
전기적 수명 (Electrical life time)	100,000회(times) (분당 20회(20 times/1minute))
사용주위온도 (Ambient temperature)	-25℃ ~ +55℃ (결로되지 않는 조건 (Non condensation))
상대 습도 (Relative humidity)	45 ~ 85%
납땀 (Soldering)	230℃ 3초 이내 (230℃ less than 3 seconds)
접점 재질 (Contact material)	은합금 (Silver alloy)
보호등급 (Protection degree)	IP40

접점 정격 | Contact Rated |

정격 절연 전압 (Rated insulation voltage) (Ui)			250V		
정격 통전 전류 (Rated conductive current) (Ith)			5A		
AC	정격 전압 (Rated voltage) (Ue)		24V	110V	220V
	정격전류 (Ie) (Rated current)	저항부하 (Resistive load) COSØ=1	5A	5A	3A
		유도부하 (inductive load) COSØ=0.7	5A	3A	2A
DC	정격 전압 (Rated voltage) (Ue)		24V	110V	220V
	정격전류 (Ie) (Rated current)	저항부하 (Resistive load) T=1ms	5A	1A	0.5A
		유도부하 (inductive load) T=15ms	1A	0.2A	0.1A

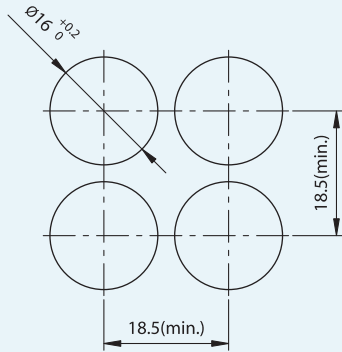
램프 정격 | Lamp Rated |

정격 전압 (Rated voltage)	AC/DC 6V	AC/DC 12V	AC/DC 24V	AC/DC 220V
정격 전류 (Rated current)	3~6.5mA	3.5~6.0mA	3.5~6.0mA	1.5~3.0mA
소비 전력 (Power consumption)	0.04W 이하 (Below 0.04W)	0.07W 이하 (Below 0.07W)	0.14W 이하 (Below 0.14W)	0.66W 이하 (Below 0.66W)
색상 (Color)	적색, 녹색, 황색, 오렌지색, 청색, 백색 (Red, Green, Yellow, Orange, Blue, White)			
수명(Life times)	40,000시간 (hours)			

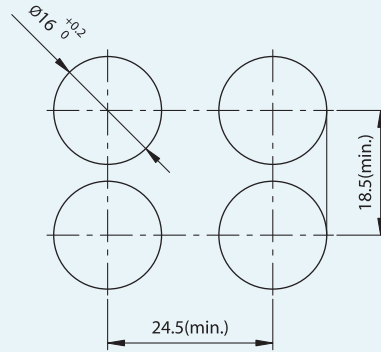
※ Note : 정격전류와 소비전력은 DC 정격 전압에서의 수치임. (Rated current and power consumption are the values at DC rated voltage.)

판넬 가공 치수 | Cut-out Dimension |

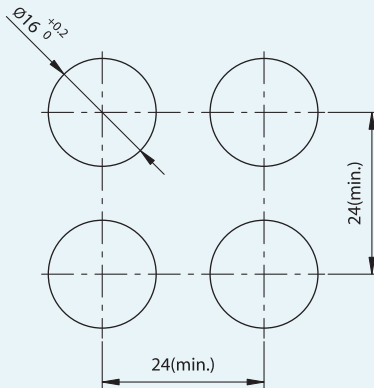
(unit : mm)



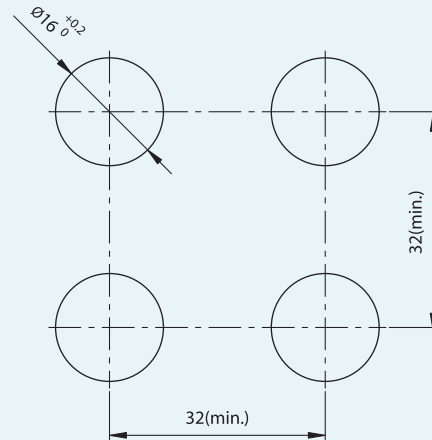
원형/정사각형 (Circle/square)



직사각형 (Rectangle)



버섯형 (Mushroom)



누름 락 회전 복귀 (Push lock turn reset)

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선택 스위치 / 키 스위치 동작 | Select Switch / Key Switch Operation |

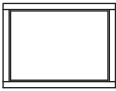
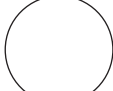
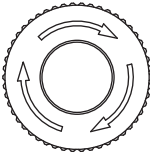
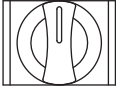
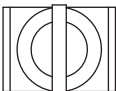
M9	M3	S9	S3

※ 참고 : 모든 방향에서 키가 빠집니다.

※ Reference : Key release at all position

Ø16 시리즈

전면부 외형 | Shape of Front Parts

	원형 (Circle)	정사각형 (Square)	직사각형 (Rectangle)	버섯형 (Mushroom)
표시등 (Lamp)				—
누름 버튼 스위치/ 조광형 누름 버튼 스위치 (Push button switch/ Illuminated push button switch)				
누름 락 회전 복귀 스위치 (Push lock turn reset switch)	—	—	—	
선택 스위치 (Select switch)				—
키스위치 (Key switch)				—

단자 배치 | Terminal Arrangement

제품군 (Group)	표시등 (Lamps)	조광형스위치 (Illuminated switches)	스위치 (Switches (no lamp))
부호 (Mark)	L1	P1, S1	P0, S0, K0
단자 (Terminal)	