

LED Pilot Lamp & Push Button Switch



CR series

Feature

Ø25 Ø30 Series

Formation of Contact Part
: 1a1b one body type.

Long life expectancy due to effect
of LED Light Source

Reduce the weight of the product



Suffix Code

■ LED Pilot Lamp

Model	Code	Description	
CR-	☐ ☐ ☐ ☐	CR series LED Pilot lamp	
Installing Dimension	252	Ø25 Pilot Lamp	
	302	Ø30 Pilot Lamp	
Power Supply Voltage (Exclusive Unit of LED Light Source)	A	110 V a.c.	LED Light Source (Way of dropping of Condenser Voltage)
	B	220 V a.c.	Example) CR- ☐ ☐ ☐ F ☐
	C	380 V a.c.	
	D	24 V d.c.	LED Light Source
	E	12 V d.c.	(Way of dropping of resistance voltage)
Light Source	F	Exclusive unit of LED Light Source	※Only power voltage A, B, C, D, E
Lamp Cap Color	R	Red(R), Green(G), Yellow(Y), Blue(A), White(W)	

■ Push Button Switch

Model	Code	Description	
CR-	☐ ☐ ☐ ☐	Push Button Switch of CR Series (LED Dimmer)	
Installing Dimension	254	25 push button switch (1a1b contact only)	
	304	30 push button switch (1a1b contact only)	
Power Supply Voltage (Exclusive Unit of LED Light Source)	A	110 V a.c.	LED Light Source (Way of dropping Condenser Voltage)
	B	220 V a.c.	Example) CR- ☐ 4 ☐ F ☐
	C	380 V a.c.	
	D	24 V d.c. / a.c.	LED Light Source
	E	12 V d.c. / a.c.	(way of dropping resistance voltage)
Light Source	F	Exclusive unit of LED Light Source	※Only power voltage A, B, C, D, E
Lamp Cap Color	R	Red(R), Green(G), Yellow(Y), Blue(A), White(W)	

Specification

■ LED Pilot Lamp

Rated Voltage	Alternate Current			Direct Current	
	110 V a.c.	220 V a.c.	380 V a.c.	24 V d.c.	12 V d.c.
Current Consumption	16,6 mA	13 mA	6,55 mA	15 mA	15 mA
Life Expectancy of Light Source	100,000 h				
Tightening Torque of Locking Ring	1,96 N·m				
Tightening Torque of Terminal	0,8 N·m (M3,5 x 7)				

■ Push Button Switch (Actuator Part)

Rated Voltage	Alternate Current			Direct Current	
	110 V a.c.	220 V a.c.	380 V a.c.	24 V d.c.	12 V d.c.
Current Consumption	16,6 mA	13 mA	6,55 mA	15 mA	15 mA
Life Expectancy of Light Source	100,000 h				
Tightening Torque of Locking Ring	1,96 N·m				
Tightening Torque of Terminal	0,8 N·m (M3,5 x 7)				
Contact Materials	ABS (Mounting Nut and body)				

■ Push button switch (Contact Part)

Thickness of Installation Panel		1 ~ 6 mm (Without Accessories)
Contact Rating		5 A 250 V a.c.
Contact Resistance		Max 50 MΩ
Contact Material		AgCdO
Contact Case Material		Contact Cover : P.C., Contact Body : ABS
Contact Composition		1a1b
Contact Operation		Slow-Action
Frequency of Allowable operation	Mechanical	Maximum 30 times per 1 minute
	Electrical	Maximum 30 times per 1 minute
Insulation Resistance.		Min 100 MΩ
Withstand Voltage		1,500 V a.c. / 60 Hz, 1 min

■ Push Button Switch (Contact Part)

Vibration	Durability	10 ~ 55 Hz(Double amplitude 3mm)
Impact	Durability	Over 500 %
	False Operation	Over 100 %
Life Expectancy	Mechanical	Over One million Times
	Electrical	Over 100000 Times
Ambient Temperature		-25 ~ 40 °C
Ambient Humidity		45 ~ 85 % R.H
Storage Temperature		-40 ~ +70 °C
Impact (Durability)		300 %, Pulse Period 11 ms
Vibration (Durability)		100 % 10 Hz~55 Hz Double amplitude 1,5 mm (within 1 ms)