

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-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CR series LED Pilot lamp
Installing Dimension	25	Ø25 Pilot Lamp
	30	Ø30 Pilot Lamp
Model Type	2	Pilot lamp
Power Supply voltage (L.E.D light type)	A0	100-240 V AC
	A3	380 V AC
	D0	12-24 V d.c
Lamp Color	R	R:Red, G:Green, Y:Yellow, A:Blue, W:White

■ Push Button Switch

Model	Code	Description
CR-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CR series LED Push button switch
Installing Dimension	25	Ø25 (1a1b contact only)
	30	Ø30 (1a1b contact only)
Model Type	4	Illuminated Push Button Switch
Power Supply voltage (L.E.D light type)	A0	100-240 V AC
	A3	380 V AC
	D0	12-24 V DC
Lamp Color	R	R:Red, G:Green, Y:Yellow, A:Blue, W:White

Specification

■ LED Pilot Lamp

Rated Voltage	Alternate Current			Direct Current	
	110 V AC	220 V AC	380 V AC	24 V DC	12 V DC
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 AC	220 V AC	380 V AC	24 V DC	12 V DC
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 AC	
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 AC / 60 Hz, 1 min	

■ Push Button Switch (Contact Part)

Vibration	Durability	10 ~ 55 Hz(Double amplitude 3mm)
	Durability	Over 500 %
Impact	False Operation	Over 100 %
	Durability	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)	