



PR-G61CBD

M18 Threaded type Retro-reflective M12 Connector Type, 4.2 m



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		PR-G61CBD
Type		Retro-reflective
Shape		Threaded mount type
Output		NPN + PNP (Bipolar)
Cable connection		M12 connector (4 pin)
Detecting distance		0.1 to 4.2 m 0.3' to 13.8' (when using R-2L)
Number of control outputs		2 (Dark-ON +Light ON)*1
Output operation	Output 1	Dark-ON
	Output 2	Light-ON*2
Response time		0.5 ms
Sensitivity adjustment		Five-turn trimmer
Spot diameter		—
Light source		4 elements, Red LED (630 nm)
Light interference prevention function		2
Indicator lamp		7 segment display (0 to 999), output indicator (yellow)
Control output		NPN + PNP open collector 30 VDC or less, 100 mA or less Residual voltage: 1.2 V or less at less than 10 mA, 2 V or less at 10 to 100 mA
Stop emission input		—
Protection circuit		Protection against reverse power connection, power supply surge, output overcurrent, output surge, and reverse output connection
Rating	Power voltage	10 to 30 VDC, including Ripple (P-P) 10 %
	Power consumption	450 mW max. (15 mA max. at 24 V, 21 mA max. at 12 V)
Environmental resistance	Enclosure rating	IP68 (IEC60529), IP69K (DIN40050-9), 4, 6, 13 (NEMA250)*3
	Insulation resistance	20 MΩ or more (500 VDC)
	Ambient light	Incandescent lamp: 5,000 lux or less, Sunlight: 20,000 lux or less
	Ambient temperature	-20 to +70 °C -4 to 158 °F (No freezing)*4
	Storage temperature	-20 to +70 °C -4 to 158 °F
	Relative humidity	35 to 85 % RH (No condensation)
	Withstand voltage	1,000 VAC, 50/60 Hz, 1 min
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06" , 2 hours in each of the X, Y, and Z directions
	Shock resistance	1,000 m/s ² , 6 times in each of the X, Y, and Z directions
Accessories		Instruction Manual, M18 nut, Lock washer
Weight		Approx. 45 g

*1 For the threaded mount type sensors, the outputs are 1 NPN output and 1 PNP output.

*2 Output 2 is not available on the threaded mount type or M8 3-pin type.

*3 For the connector type, the enclosure rating varies depending on the cable that is used.

*4 When the ambient temperature is 60 °C 140 °F or higher, the device should be powered with no more than 24 VDC and 50 mA.

* Download CAD file or product manual for larger image/text and more detail.

[illegible]