KEYENCE

PR-G61C3PD

Square retro-reflective M8 3-pin Connector Type, 4.2 m

CE   UL LISTED   ECOLAB   Diversey

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

Specifications

Model		PR-G61C3PD
Type		Retro-reflective
Shape		Rectangular
Output		PNP
Cable connection		M8 connector (3 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	—
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		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), 4X, 6P, 13 (NEMA250)*2
	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)*3
	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/s², 6 times in each of the X, Y, and Z directions
Material		Case: SUS 316L, Indicator cover: PES, 7-segment display cover/Lens cover: PMMA (scratch-resistant coating) M18 nut: Brass (Nickel plating), Lock washer: Steel (Chrome plating)

Accessories	Instruction manual
Weight	Approx. 25 g

*1 For the threaded mount type sensors, the outputs are 1 NPN output and 1 PNP output.
*2 For the connector type, the enclosure rating varies depending on the cable that is used.
*3 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.

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Dimensions

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

PR–G41CP/G42CP/G61CP/G61C3PD