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Square retro-reflective Cable Type 4.2m

PR-G61P



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Specifications

Model		PR-G61P
Type		Retro-reflective
Shape		Rectangular
Output		PNP
Cable connection		2 m cable
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)

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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) ^{*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
Material		Case: SUS 316L, Indicator cover: PES, 7-segment display cover/Lens cover: PMMA (scratch-resistant coating)

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Weight	Approx. 75 g
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- *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.

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