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## PR-G42CBL

M18 Threaded type diffuse reflective M12 Connector Type, 120 mm



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

## Specifications

Model	PR-G42CBL	
Type	Diffuse reflective (Short distance)	
Shape	M18 Threaded type	
Output	NPN+PNP	
Cable connection	M12 connector (4-pin)	
Detecting distance	120 mm	
Number of control outputs	2 (NPN+PNP)	
Output operation	Output 1	Light-ON
	Output 2	
Response time	0.5 ms	
Sensitivity adjustment	5-rotation trimmer	
Spot diameter	Approx. $\phi$ 3 mm (at 100 mm)	
Light source	4 element, point light source, red LED (650 nm)	
Light interference prevention function	2 sensors	
Indicator lamp	7 segment display (0 to 999), output indicator (yellow)	
Control output	NPN + PNP open collector 30 V DC or less, 100 mA or less Residual voltage: 1.2 V or less at 10 mA or less, 2 V or less at 10 to 100 mA	
Stop emission input	-	
Protection circuit	Power supply reverse connection protection, power supply surge protection, output overcurrent protection, output surge protection, output reverse connection protection	
Rating	Power voltage	10 to 30 V DC including 10% ripple (P-P)
	Power consumption	450 mW or less (15 mA or less at 24 V, 21 mA or less at 12 V)
Environmental resistance	Enclosure rating	IP68 (IEC60529), IP69K (DIN40050-9), 4, 6, 13 (NEMA250) *1
	Insulation resistance	20 M $\Omega$ or more (500 V DC)
	Ambient light	Incandescent lamp 5,000 lx or less, sunlight: 20,000 lx or less
	Ambient temperature	-20 to +70°C (No freezing)*2
	Relative humidity	35 to 85% RH (No condensation)
	Storage temperature	-20 to 70°C
	Withstand voltage	1,000 V AC 50/60Hz 1 min
	Vibration resistance	10 to 55 Hz, double amplitude 1.5 mm, X, Y, Z each direction 2 hours
	Shock resistance	1,000 m/s <sup>2</sup> , X, Y, Z each direction 6 times
Material	Case: zinc die-cast (nickel-chrome-plated), indicator cover: PES, 7 segment display/lens cover: PMMA (Scratch-resistant coating) M18 nut: brass (nickel-plated), lock washer: steel (chrome-plated)	
Accessories	Instruction Manual, M18 nut, lock washer	

Weight	Approx. 45g
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\*1 The enclosure rating for the connector type varies based on the cable that is used.

\*2 When the ambient temperature is 60°C or higher, the device should be powered with no more than 24 VDC and 50 mA..

