

PZ-M13

Square Reflective M12 Connector Type, NPN

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

Specifications

Model		PZ-M13
Type		Multi reflective model (M12 connector cable type)
Output		NPN
Detecting distance		5 to 100 mm0.20" to 3.94" (100 x 100 mm3.94" x 3.94"white mat paper)*1
Setting distance		30 to 100 mm1.18" to 3.94" (100 x 100 mm3.94" x 3.94"white mat paper)
Light source.		Red LED
Sensitivity adjustment		1-turn trimmer (230°)
Response time		1 ms max.
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Indicator lamp		Output: orange LED, stable operation: green LED
Control output		100 mA (40 V) max.Residual voltage: 1 V max.
Digital monitor		—
Protection circuit		Reversed polarity, overcurrent protection, surge absorber
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Power consumption	30 mA or less
Environmental resistance	Enclosure rating	IP67
	Ambient light	Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	-20 to +55 °C -4 to 131 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	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
Case material		Glass-fiber reinforced plastic
Weight		Approx. 25 g

*1 The detecting distance is obtained with the maximum sensitivity.

Dimensions

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



