

EM-102

Main Unit, Unshielded Type, f2.8, NPN

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

Specifications

Model		EM-102
Type		Non-shielded
Shape		Sleeve-type cylinder model
Detecting distance		2.0 mm 0.08" ±15%
Detectable object		Magnetic metal*1
Standard target (iron, t=1 mm 0.04")		16 x 16 mm 0.63" x 0.63"
Hysteresis		10% max. of detecting distance
Response frequency		1.2 kHz
Operation mode		N.O.
Temperature characteristics		±10% max. of detecting distance at +23°C 73.4°F, within -10 to +70°C 14 to 158°F
Output		NPN output
Control output		NPN: 200 mA (40 V) max., Residual voltage: 1 V max.
Housing		SUS304
Rating	Power voltage	10.8 to 30 VDC, Ripple (P-P) 10 % or less*2
	Current consumption	12 mA or less
Environmental resistance	Enclosure rating	IP67
	Ambient temperature	-25 to +80 °C -13 to 176 °F (No freezing)
	Relative humidity	35 to 95 % RH

*1 The detecting distance is shorter for non-magnetic metal.
*2 Make sure that the power voltage stays within 10.8 V to 30 V even if it is affected by ripple effects.

Dimensions

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

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