

EV-112F

Main Unit, Shielded Type, M12

CE

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

Specifications

Model		EV-112F
Type		Spatter-resistant/Shielded
Shape		M12
Detecting distance		2.5 mm0.098"±10%
Detectable object		Ferrous metals (see Characteristics for nonferrous metals)
Standard target (iron, t=1 mm 0.04")		12 x 12 mm 0.47" x 0.47"
Hysteresis		15% max. of detecting distance
Response frequency		600 Hz
Operation mode		N.O.
Temperature characteristics		±10% max. of detecting distance at 23°C 73.4°F, within -25 to +70°C -13 to +158°F
Control output (switching capacity)		5 to 200 mA
Protection circuit		Reversed polarity, short-circuit, surge voltage
Cable length		2 m 6.6'
Rating	Power voltage	12 to 24 VDC, Ripple (P-P) 20 % or less
	Current consumption (leakage current)	Current consumption (leakage current): 1.0 mA max., Residual voltage: 3.6 V max. (with 2-m 6.6' cable)
	Residual voltage	Residual voltage: 3.6 V max. (with 2-m 6.6' cable)
Environmental resistance	Enclosure rating	IP67
	Ambient temperature	-25 to +80 °C -13 to 176 °F (No freezing)
	Relative humidity	35 to 95 % 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	500 m/s², 3 times in each of the X, Y, and Z directions
Case material		Fluoro-chemical-coated brass
Accessories		Screw nut x 2, toothed washer x 1
Weight		Approx. 110 g

Dimensions

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

