

EV-112UC

Main Unit, Unshielded 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-112UC
Type		DC , Non-shielded
Shape		M12
Detecting distance		8 mm 0.31" ±10%
Detectable object		Ferrous metals (see Characteristics for nonferrous metals)
Standard target (iron, t=1 mm 0.04")		30 x 30 mm 1.18" x 1.18"
Hysteresis		20% max. of detecting distance, within -10 to +70°C 14 to 158°F
Response frequency		600 Hz
Operation mode		N.C.
Temperature characteristics		±10% max. of detecting distance, within -10 to +70°C 14 to 158°F
Control output (switching capacity)		5 to 200 mA
Protection circuit		Reversed polarity, short-circuit, surge voltage
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		Nickel-plated brass
Accessories		Nut × 2, toothed washer × 1, instruction manual
Weight		Approx. 110 g

Dimensions

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

