

EZ-12M

Main Unit, Shielded Type, M12, NPN

CE

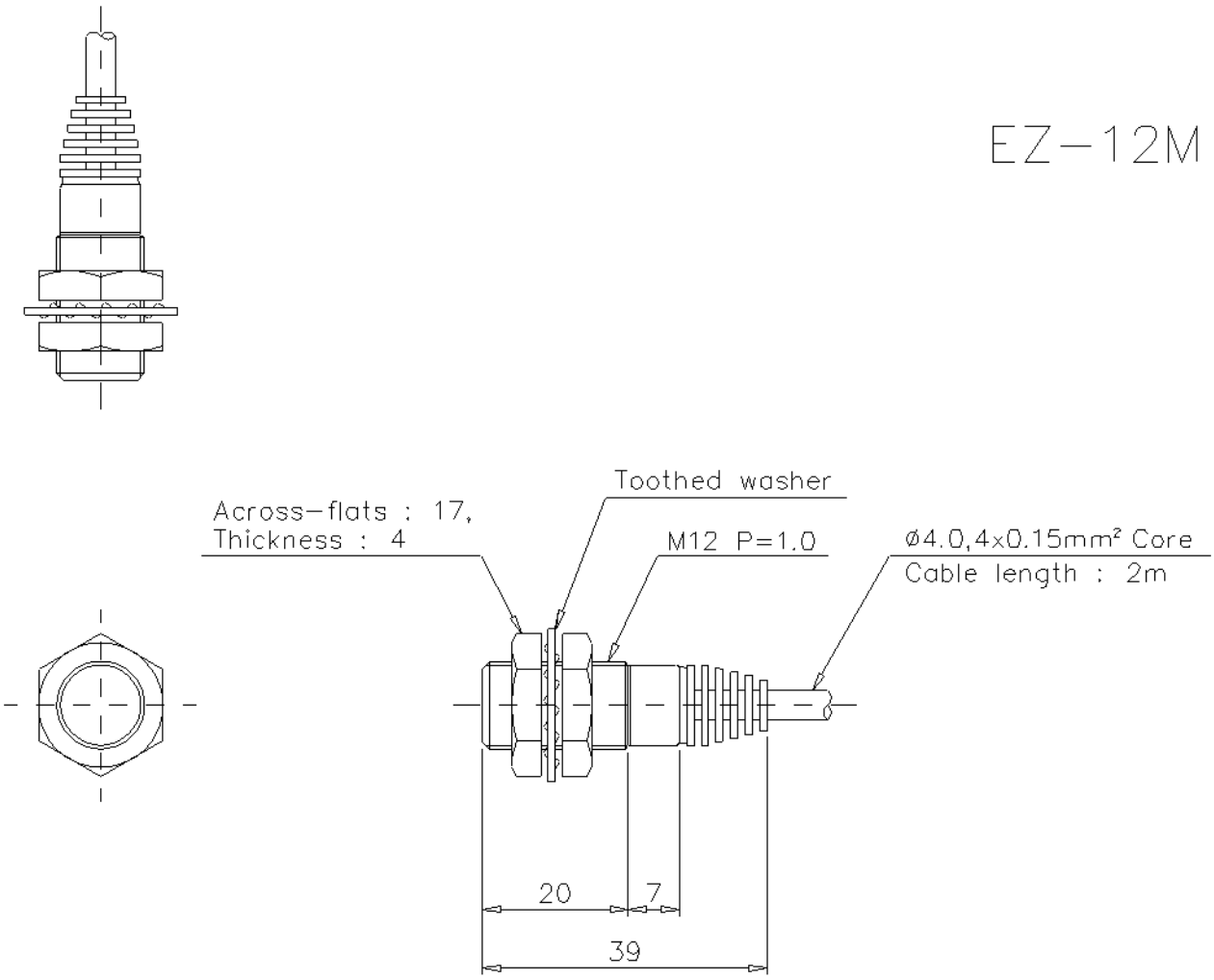
*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		EZ-12M
Type		Shielded
Shape		M12
Detecting distance		2.5 mm 0.10" ±10%
Detectable object		Ferrous metals (see Characteristics for nonferrous metals)
Standard target (iron, t=1mm 0.04")		12 x 12 mm 0.47" x 0.47"
Hysteresis		10% max. of detecting distance
Response frequency		600 Hz
Operation mode		N.O./N.C.
Temperature characteristics		±10% max. of detecting distance at +23°C 73.4°F, within -25 to +70°C -13 to 158°F
Control output		NPN open collector 100 mA max. (40 V max.), Residual voltage: 1 V max.
Cable length		2 m 6.6'
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	13 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 (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		Screw nut x 2, toothed washer x 1
Weight		Approx. 65 g

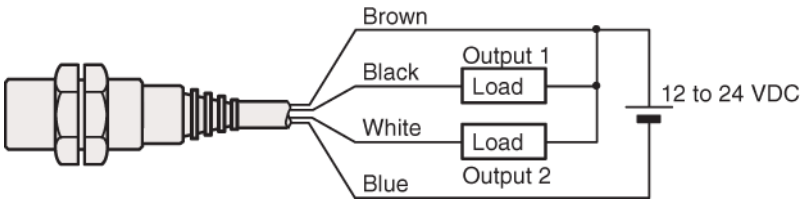
Dimensions

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

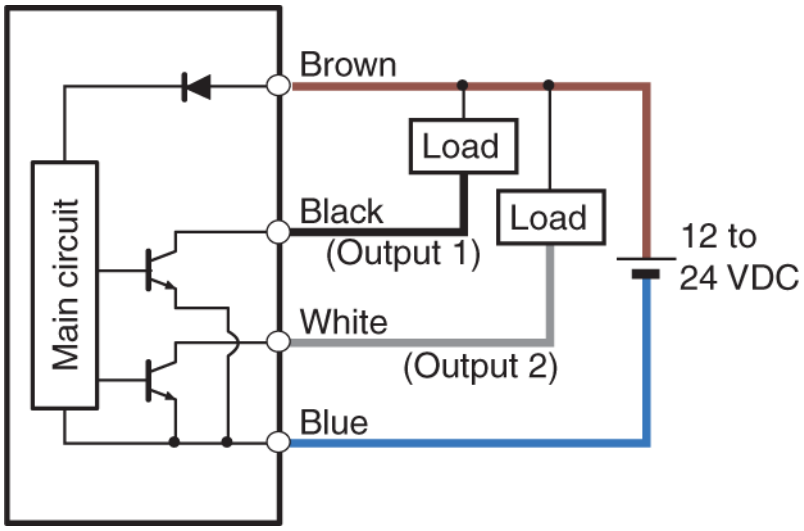


I/O Circuit Connection diagram

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



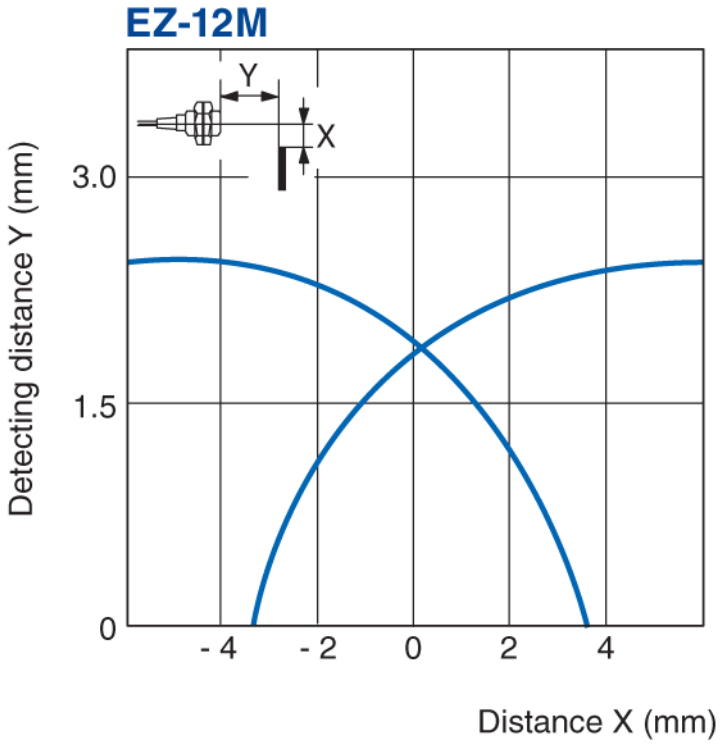
Input/Output Circuits



Characteristic

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

Detecting range (Typical)



Detecting distance vs. size and material of target (Typical)

