



EM-030B

Main Unit, Shielded Type, f3, NPN



SPECIFICATIONS

Model		EM-030B
Type		Shielded
Shape		3 mm dia Cylindrical.
Detecting distance		0.6 mm $\pm 15\%$
Detectable object		Ferrous metals (see Characteristics for non-ferrous metals)
Standard target (iron, $t=1$ mm)		5 x 5 mm
Hysteresis		10% max. of detecting distance
Response frequency		1.2 kHz
Operation mode		N.O.
Temperature characteristics		$\pm 10\%$ max. of detecting distance at $+23^{\circ}\text{C}$, within -10 to $+70^{\circ}\text{C}$
Display indicator		Red LED
Control output		NPN: 200 mA (40 V) max., Residual voltage: 1 V max.
Housing		Stainless steel
Rating	Power voltage	10.8 to 30 VDC, Ripple (P-P) 10 % or less ^{*1}
	Current consumption	12 mA or less
Environmental resistance	Enclosure rating	IP67
	Ambient temperature	-25 to $+80^{\circ}\text{C}$ (No freezing)
	Relative humidity	35 to 95 % RH (No condensation)
Weight		Approx. 36 g (including nuts and 2-m cable)
^{*1} Make sure that the power voltage stays within 10.8 V to 30 V even if it is affected by ripple effects.		