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Item # E3FB-VN11 2M, 50 mm Sensing Distance Threaded Cylindrical Sensor

Brass M18, FF, 50mm, Ax,NPN,pW


Specifications

Features	Short Body M18 Cylindrical
Type	Threaded Cylindrical Sensor
Mounting Type	Mounting Bracket (E39-L183)
Output Type	Negative-Positive-Negative (NPN)
Operating Ambient Temperature Range (with no Icing or Condensation)	-25 to 55 °C
Storage Ambient Temperature Range (with no Icing or Condensation)	-30 to 70 °C
Accessories	E39-L183
Body Type	Threaded Cylindrical
Sensing Method	Limited-Distance-Reflective
Electrical Connection	Prewired
Light Source	Red Light Emitting Diode (LED)

Direct Current (DC) Supply Voltage	10 to 30 V
Operation	Light-ON (L-ON) Switch Selectable, Dark-ON (D-ON) Switch Selectable
Length	44 mm
Housing Material	Brass
Housing Finish	Nickel Plated
Indicator Operation	Operating Orange, Stability Green
Cable Length	2 m
Size	M18
Sensing Distance	50 mm
Sensing Direction	Straight
Protection Circuits	Reversed power supply polarity protection, Output short-circuit protection and Reversed output polarity protection
Operate/Reset Response Time	0.5 ms
Approximate Weight (Pre-Wired) (Packed State)	65 g 95 g
Approximate Weight (Connector) (Packed State)	20 g 50 g
Lens and Display Material	PMMA (Polymethylmethacrylate)
Degree of Protection	IEC: IP67, DIN 40050-9: IP69K *
Current Consumption [Max]	25 mA
Ambient illumination Receiver Side - Incandescent Lamp [Max]	3000 lux
Ambient illumination Receiver Side - Sunlight [Max]	10000 lux
Operating Ambient Humidity Range (with no Condensation)	35 to 85 %
Storage Ambient Humidity Range (with no Condensation)	35 to 95 %
AC Dielectric Strength (50/60 Hz for 1 min Between Current-Carrying Parts and Case)	1000 V
	10 to 55 Hz, 1.5 mm double amplitude for 2 hours each in X, Y and Z

Destruction Vibration Resistance

10 to 55 Hz, 1.5 mm double amplitude for 2 hours each in X, Y and Z directions

Destruction Shock Resistance for 3 Times each in X, Y, and Z Directions500 m/s²**Minimum Insulation Resistance (at 500 VDC)**

20 MO



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