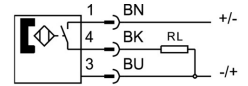


Proximity sensor SMEO-8E-M12-LED-24

Part number: 171164

FESTO



Data sheet

Feature	Value
Type code	SMEO
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00995862
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, connection type	Plug
Repetition accuracy	0.2 mm
Electrical connection 1, number of pins/wires	3
Design	for T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991148
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE RoHS-compliant
Measuring principle	Magnetic reed
Ambient temperature	-40 °C ... 60 °C
Switching output	Contact-based, bipolar
Switching element function	N/O contact
On time	≤0.5 ms
Switch-off time	0.03 ms
Max. switching frequency	800 Hz
Max. output current	500 mA
Min. switching capacity AC	10 VA
Max. switching capacity DC	10 W
Short-circuit protection	no
Overload protection	Not available
Operating voltage range AC	12 V ... 30 V
DC operating voltage range	12 V ... 30 V
Reverse polarity protection	no
Connection outlet orientation	Transverse
Material of pin contacts	Brass
Material of cable sheath	PUR
Type of mounting	With accessories
Tightening torque	0.5 Nm
Product weight	9 g

Feature	Value
Housing material	Wrought aluminum alloy TPE-U(PU) High-alloy stainless steel
Switching status indication	LED yellow
Degree of protection	IP65 IP67
Surge resistance	0.8 kV
Contamination level	3