

# proximity sensor SMEO-8E-M12-LED-24

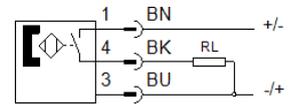
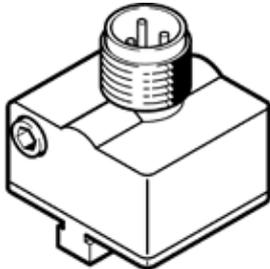
Part number: 171164  
Product to be discontinued

FESTO

Electric, with reed contact, for drives with T-slot, without mounting kit, with M12 plug.

Separate mounting component SMB-8E required (part no. 178230)

Type to be discontinued. Available until 2023. See Support Portal for alternative products.



## Data sheet

Feature	Value
Design	for T-slot
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materials note	Conforms to RoHS
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Reed magnetic
Ambient temperature	-40 ... 60 °C
Repetition accuracy	0.2 mm
Switch output	with contact, bipolar
Switching element function	Normally open contact
Switch-on time	≤ 0.5 ms
Switch-off time	0.03 ms
Max. switching frequency	800 Hz
Max. output current	500 mA
Max. contact rating AC	10 VA
Max. contact rating DC	10 W
Short circuit strength	No
Overload withstand capability	Not available
Operating voltage range AC	12 ... 30 V
Operating voltage range DC	12 ... 30 V
Polarity protected	No
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	Lateral
Material electrical contact	Brass
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Mounting type	with accessories
Tightening torque	0.5 Nm
Assembly position	Any
Product weight	9 g
Housing colour	Black
Material housing	Wrought Aluminium alloy

Feature	Value
	TPE-U(PU) High alloy steel, non-corrosive
Operating status display	Yellow LED
Protection class	IP65 IP67
Insulation voltage	50 V
Surge strength	0.8 kV
PWIS conformity	VDMA24364-B2-L
Degree of contamination	3