

# Proximity Sensor

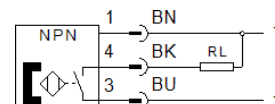
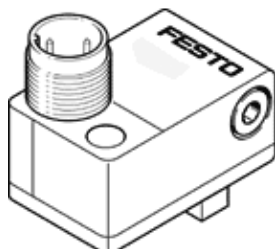
## SMTSO-8E-NS-M12-LED-24

Part number: 175825

FESTO

Electric, contactless, NPN, for drives with T-slot, without mounting kit, with M12 plug, welding field resistant design.

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



## Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorization	RCM Mark
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Special characteristics	Welding field immune Resistant to welding spatter
Materials note	Conforms to RoHS
Instructions for use	Support / Actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic inductive
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	NPN
Switching characteristics during the welding process	Output signal freezes
Switching element function	Normally open contact
Switch-on time	≤ 38 ms
Switch-off time	≤ 20 ms
Max. switching frequency	14 Hz
Max. output current	200 mA
Max. contact rating DC	6 W
Voltage drop	≤ 3 V
Residual current	≤ 0.01 mA
Short circuit strength	Pulsing
Overload withstand capability	Available
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
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, gold-plated
Mounting type	Clamped in T-slot with accessories Insertable in slot from above
Assembly position	Any
Product weight	10 g
Housing color	Black

<b>Feature</b>	<b>Value</b>
Material housing	Wrought Aluminum alloy PA PUR High alloy steel, non-corrosive
Operating status display	Yellow LED
Protection class	IP65 IP67
Interference immunity to magnetic fields	45 - 65 Hz AC magnetic field
PWIS conformity	VDMA24364-B2-L