

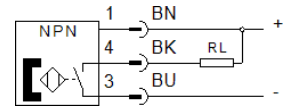
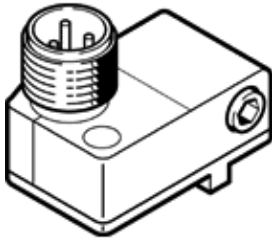
proximity sensor SMT0-8E-NS-M12-LED-24

Part number: 171176

FESTO

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

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
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	Magneto-resistive
Ambient temperature	-20 ... 60 °C
Repetition accuracy	0.2 mm
Switch output	NPN
Switching element function	Normally open contact
Switch-on time	≤ 1.3 ms
Switch-off time	≤ 1.4 ms
Max. switching frequency	200 Hz
Max. output current	100 mA
Max. contact rating DC	2.8 W
Voltage drop	≤ 1.8 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Residual current	≤ 0.15 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
Connector exit direction	Lateral
Material electrical contact	Brass, gold-plated
Max. tightening torque plug	0.5 Nm
Mounting type	Clamped in T-slot with accessories Insertable in slot from above
Tightening torque	0.5 Nm
Assembly position	Any
Product weight	12 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
PWIS conformity	VDMA24364-B2-L