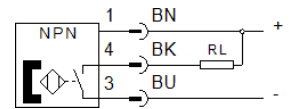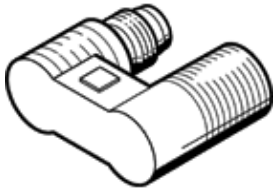# proximity sensor
SMTO-4U-NS-S-LED-24

Part number: 152743
Classic - do not use for new projects

With light emitting diode and integrated protective circuit, without mounting kit.

Modern alternatives can be found by entering the first four characters of the type code in the search field.

FESTO

Data sheet

Feature	Value
Design	Round
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
Measured variable	Position
Measuring principle	Magnetic inductive
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	NPN
Switching element function	Normally open contact
Switch-on time	0.5 ms
Switch-off time	0.5 ms
Max. output current	200 mA
Max. contact rating DC	6 W
Voltage drop	<= 2 V
Inductive protective circuit	Integrated
Minimum load current	0.1 mA
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	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Mounting type	with accessories
Max. tightening torque	0.8 Nm
Assembly position	Any
Product weight	6 g
Housing colour	Black
Material housing	PA
	PET
	PUR
Operating status display	Yellow LED
Protection class	IP67
PWIS conformity	VDMA24364-B2-L