Proximity Sensor
SMTO-4U-NS-K-LED-24

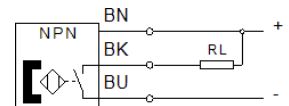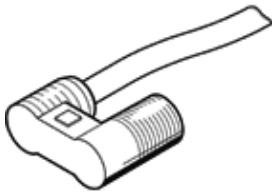Part number: 152837
Classic - do not use for new projects

FESTO

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.

Data sheet

Feature	Value
Design	Round
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
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	<= 5 ms
Switch-off time	<= 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	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3
Connector exit direction	axial
Cable length	2.5 m
Cable attribute	Standard
Cable sheath color	Grey
Material cable sheath	PVC
Material insulation	PVC
Wire ends	Galvanized
Mounting type	with accessories
Max. tightening torque	0.8 Nm
Assembly position	Any
Product weight	70 g

Feature	Value
Housing color	Black
Material housing	PET
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	-5 ... 70 °C
Protection class	IP67
PWIS conformity	VDMA24364-B2-L