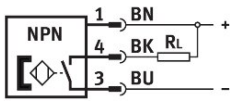
Proximity sensor
SMTO-1-NS-S-LED-24-C

Part number: 151686





Data sheet

Feature	Value
Design	Block design
Based on norm	EN 60947-5-2
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Position
Measuring principle	Magneto-inductive
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	NPN
Switching element function	N.O. contact
Hysteresis	0.1 mm...1.5 mm
On time	1 ms
Switch-off time	1 ms
Max. switching frequency	1 kHz
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	3 V
Inductive protective circuit	Adapted to MZ, MY and ME coils
Residual current	0.01 mA
Short-circuit protection	Pulsed
Overload protection	Available
DC operating voltage range	10 V...30 V
Residual ripple	10%
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Snap-locking

Feature	Value
	Screw-type lock not rotatable Compatible with snap-locking Compatible with rotatable screw-type lock
Connection outlet orientation	Longitudinal
Material of pin contacts	Gold-plated brass
Type of mounting	With accessories
Mounting position	Any
Product weight	20 g
Housing colour	Black
Housing material	PC PET POM PUR Steel Die-cast zinc
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L