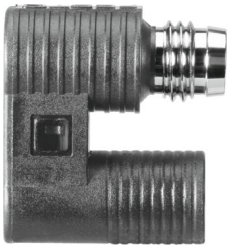
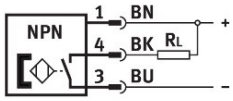
Proximity sensor
SMTO-4U-NS-S-LED-24

Part number: 152743





Data sheet

Feature	Value
Design	Round
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
On time	0.5 ms
Switch-off time	0.5 ms
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	2 V
Inductive protective circuit	Installed
Minimum load current	0.1 mA
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 Screw-type lock not rotatable

Feature	Value
	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
Max. tightening torque	0.8 Nm
Mounting position	Any
Product weight	6 g
Housing colour	Black
Housing material	PA PET PUR
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L