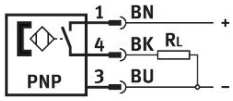
Proximity sensor
SMTSO-8E-PS-M12-LED-24

Part number: 191986





Data sheet

Feature	Value
Design	For T-slot
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
Special features	Welding field resistant Welding spatter-resistant
Note on materials	RoHS compliant
Application note	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magneto-inductive
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.2 mm
Switching output	PNP
Switching characteristics during the welding process	Output signal freezes
Switching element function	N.O. contact
On time	38 ms
Switch-off time	20 ms
Max. switching frequency	14 Hz
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	3 V
Residual current	0.01 mA
Short-circuit protection	Yes
Overload protection	Yes
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	M12x1 A-coded as per EN 61076-2-101

Feature	Value
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock not rotatable Compatible with rotatable screw-type lock
Connection outlet orientation	Transverse
Material of pin contacts	Gold-plated brass
Type of mounting	Clamped in T slot Can be inserted in slot from above
Mounting position	Any
Product weight	19 g
Housing colour	Black
Housing material	Wrought aluminum alloy PA TPE-U(PU) high-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP65 IP67
Resistance to interference from magnetic fields	45 - 65 Hz Alternating magnetic field
LABS (PWIS) conformity	VDMA24364-B2-L