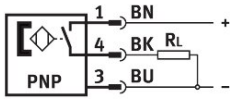
Proximity sensor
SMTSO-8E-PS-M12-LED-24

Part number: 191986



General operating condition

Data sheet

Feature	Value
Design	For T-slot
Based on standard	EN 60947-5-2
Symbol	00991153
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Special characteristics	Welding field resistant Resistant to welding spatter
Note on materials	RoHS-compliant
Instructions on use	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 behavior during welding process	Output signal freezes
Switching element function	N/O contact
Switch-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
Off-state current	≤0.01 mA
Short circuit current rating	yes
Overload protection	Yes
Operational voltage range DC	10 V ... 30 V
Residual ripple	10 %
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable screw-type lock
Electrical connection 1, connection pattern	00995573

Feature	Value
Connection outlet orientation	Lateral
Material electrical contact	Gold-plated brass
Type of mounting	Clamped in T-slot Insertable in the slot from above
Mounting position	optional
Product weight	19 g
Housing colour	Black
Material housing	TPE-U(PU) High-alloy stainless steel
Switching status indication	Yellow LED
Degree of protection	IP65 IP67
Immunity to magnetic fields	45 - 65 Hz Alternating magnetic field
LABS (PWIS) conformity	VDMA24364-B2-L