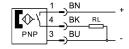
## Proximity sensor SMTSO-8E-PS-M12-LED-24 Part number: 191986







## **Data sheet**

Feature	Value
Design	For T-slot
Based on standard	EN 60947-5-2
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC 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 °C70 °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	Pulsed
Overload protection	Available
Operational voltage range DC	10 V30 V
Residual ripple	10 %
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs

Feature	Value	
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	Screw-type lock	
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	Wrought aluminium alloy PA 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	