## proximity sensor SMT-8M-A-ZS-24V-E-5,0-OE-EX2 Part number: 574341

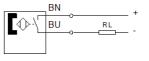
Part number: 574341 Core product range Magnetic, contactless, for T-slot.



## **Data sheet**

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark
	c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
	to EU directive explosion protection (ATEX)
	in accordance with EU RoHS directive
KC mark	KC-EMV
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex nA IIC T4 X Gc
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex tc IIIC T120°C X Dc
Explosion-proof ambient temperature	-40°C <= Ta <= +70°C
Special characteristics	Oil resistant
Materials note	Free of copper and PTFE
	Conforms to RoHS
	Halogen-free
Measured variable	Position
Measuring principle	Magnetoresistive
Ambient temperature	-40 85 °C
Repetition accuracy	0.2 mm
Switch output	Non-contacting 2-wire
Switching element function	Normally open contact
Switch-on time	<= 1 ms
Switch-off time	<= 1 ms
Max. switching frequency	180 Hz
Max. output current	80 mA
Max. output current in mounting kits	50 mA
Max. contact rating DC	1.9 W
Max. switching capacity DC in mounting kits	1.2 W
Voltage drop	< 6 V
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	7 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	2
Connector exit direction	axial
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Chain link trunking: 5 million cycles, bending radius 28 mm
	Torsion resistance: > 300,000 cycles, ±270°/0.1 m

**FESTO** 



## FESTO

Feature	Value	
Cable length	5 m	
Cable attribute	Energy chain + robot	
Cable sheath colour	Grey	
Material cable sheath	TPE-U(PUR)	
Mounting type	Tightened	
	Insertable in slot from above	
Max. tightening torque	0.6 Nm	
Assembly position	Any	
Product weight	57.1 g	
Housing colour	Black	
Material housing	PA-reinforced	
	High alloy steel, non-corrosive	
Operating status display	Yellow LED	
Operating reserve display	LED orange	
Ambient temperature with flexible cable installation	-20 85 °C	
Protection class	IP65	
	IP68	
	IP69К	