

# proximity sensor CRSMT-8M-PS-24V-K-5,0-OE

Part number: 574380

FESTO



## Data sheet

Feature	Value
Design	for T-slot
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (ATEX)
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 ≤ +85°C
Special characteristics	Resistant to cooling lubricants Alkali resistant Acid resistant
Materials note	Conforms to RoHS Halogen-free
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 ... 85 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Switch-on time	≤ 1 ms
Switch-off time	≤ 1 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. contact rating DC	2.8 W
Voltage drop	< 1.5 V
Minimum load current	0 mA
Residual current	< 0.05 mA
Short circuit strength	Yes
Overload withstand capability	Available
Nominal operating voltage DC	24 V
Operating voltage range DC	5 ... 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	3
Connector exit direction	axial
Test conditions of cable	Bending strength according to Festo standard Chain link trunking: 5 million cycles, bending radius 75 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m
Cable length	5 m
Cable attribute	Standard + chain link trunking
Cable sheath colour	Grey
Material cable sheath	TPE-O

Feature	Value
Material insulation	PP
Wire ends	Wire end ferrule
Mounting type	Tightened Insertable in slot from above
Max. tightening torque	0.6 Nm
Assembly position	Any
Product weight	47.6 g
Housing colour	Black
Material housing	PA PP 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 IP69K
Food-safe	See Supplementary material information