

Proximity sensor SIEF-M12B-PS-K-L

Part number: 553542

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991702
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK instructions for electrical equipment
Note on materials	RoHS-compliant
Rated operating distance	3 mm
Ambient temperature	-30 °C ... 70 °C
Repetition accuracy	0.16 mm
Switching output	PNP
Switching element function	N/O contact
Max. switching frequency DC	3000 Hz
Max. output current	200 mA
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection	Cable
Cable length	2.5 m
Material of cable sheath	TPE-U(PU)
Size	M12
Mounting type	Flush
Product weight	105 g
Housing material	TPE-O Chrome-plated
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP68
Resistance to interference from magnetic fields	Magnetic direct and alternating fields
Surge resistance	0.8 kV
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3

Feature	Value
Selection of additional sensor information	with reduction factor 1 – resistance to magnetic fields
Selection of sensor version	Standard