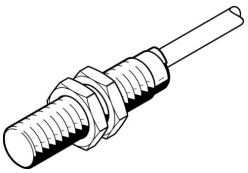
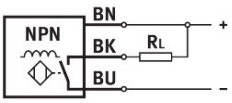
Proximity sensor
SIEF-M12B-NS-K-L

Part number: 553544





Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK regulations 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	NPN
Switching element function	N/O contact
Max. switching frequency DC	3000 Hz
Max. output current	200 mA
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Reverse polarity protection	For all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material cable sheath	TPE-U(PU)
Size	M12
Mounting type	Flush
Product weight	105 g
Material housing	Brass TPE-O Chrome-plated
Switching status indication	Yellow LED
Ambient temperature with moving cable	-5 °C...70 °C
Degree of protection	IP68

Feature	Value
Immunity to magnetic fields	Magnetic direct and alternating field
Immunity to surge	0.8 kV
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Pollution degree	3
Additional information for sensor selection	Reduction factor 1, resistant to magnetic fields
Selection of sensor design	Standard