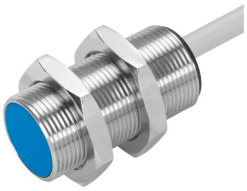
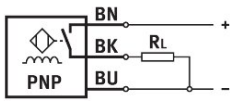
Proximity sensor
SIEH-M18B-PS-K-L

Part number: 150458





Data sheet

Feature	Value
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 In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	according to UK instructions for EMC (UK-E) according to UK RoHS instructions (UK-R)
Note on materials	RoHS-compliant
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminium = 0.35 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.4 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.88 mm
Max. switching frequency	1500 Hz
Max. output current	200 mA
Voltage drop	2 V
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Residual ripple	+/- 20 %
No-load supply current	10 mA
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	3
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)

Feature	Value
Size	M18
Type of mounting	Via lock nut
Tightening torque	20 Nm
Mounting type	Flush
Product weight	108 g
Material housing	Brass PBTP Nickel-plated
Switching status indication	Yellow LED
Ambient temperature with moving cable	-5 °C...70 °C
Degree of protection	IP67
Immunity to surge	0.8 kV
LABS (PWIS) conformity	VDMA24364-B2-L
Pollution degree	3
Additional information for sensor selection	with increased sensing distance
Electrical output	PNP
Selection of sensor design	Standard