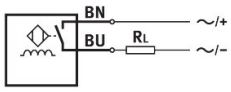
Proximity sensor
SIED-M18B-ZS-K-L-PA

Part number: 538338



General operating condition

Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991707
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
Measuring principle	Inductive
Rated operating distance	5 mm
Assured operating distance	4.05 mm
Reduction factors	Aluminum = 0.35 - 0.5 Stainless steel St 18/8 = 0.6 - 1.0 Copper = 0.25 - 0.45 Brass = 0.35 - 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.1 mm
Switching output	Non-contacting, 2-wire
Switching element function	N.O. contact
Hysteresis	0.15 mm ... 0.75 mm
Max. switching frequency DC	20 Hz
Max. switching frequency AC	20 Hz
Max. output current	300 mA
Voltage drop	≤6 V
Minimum load current	3 mA
Short-circuit protection	No
Operating voltage range AC	20 V ... 250 V
DC operating voltage range	10 V ... 300 V
Mains frequency	50 Hz ... 60 Hz
Idle current	≤1.5 mA
Reverse polarity protection	for all electrical connections
Electrical connection	Cable
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	2
Cable length	2.5 m
Material of cable sheath	PVC

Feature	Value
Insulating sheath material	PVC
Size	M18
Type of mounting	With locknut
Tightening torque	2 Nm
Mounting type	Flush
Product weight	123 g
Housing material	PA-reinforced
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	0 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Selection of additional sensor information	For direct and alternating voltage
Electrical output	Non-contacting, 2-wire
Selection of sensor version	Polyamide housing