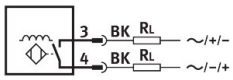
Proximity sensor
SIED-M18NB-ZS-S-L

Part number: 538275





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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK regulations for electrical equipment
Measuring principle	Inductive
Rated operating distance	8 mm
Assured operating distance	6.5 mm
Reduction factors	Aluminium = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0
Ambient temperature	-25 °C...85 °C
Repetition accuracy	0.2 mm
Switching output	Non-contacting, 2-wire
Switching element function	N/O contact
Hysteresis	0.03 mm...1.9 mm
Max. switching frequency DC	340 Hz
Max. switching frequency AC	25 Hz
Max. output current	300 mA
Voltage drop	8 V
Min. load current	5 mA
Short circuit current rating	no
Operational voltage range AC	20 V...265 V
Operational voltage range DC	20 V...320 V
Mains frequency	50 Hz
No-load supply current	1.5 mA
Reverse polarity protection	For all electrical connections

Feature	Value
Electrical connection	2-pin M12x1 Plugs
Size	M18
Type of mounting	Via lock nut
Tightening torque	30 Nm
Mounting type	Not flush
Product weight	50 g
Material housing	Brass PA Nickel-plated
Switching status indication	Yellow LED
Degree of protection	IP67
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Additional information for sensor selection	For DC and AC voltage
Electrical output	Non-contacting, 2-wire
Selection of sensor design	Standard