



INDUCTIVE PROXIMITY SENSORS

IME12-08NPSZC0S

URL:<https://www.sxplc.com/inductive-proximity-sensors-ime12-08npszc0s>

Product data sheet

Hysteresis	5 % ... 15 %
Reproducibility	$\leq 2 \%$ ^{2) 3)}
Temperature drift (of S_i)	$\pm 10 \%$
EMC	According to EN 60947-5-2
Continuous current I_a	$\leq 200 \text{ mA}$
No load current	$\leq 10 \text{ mA}$
Short-circuit protection	✓
Reverse polarity protection	✓
Power-up pulse protection	✓
Shock and vibration resistance	30 g, 11 ms/10 Hz ... 55 Hz, 1 mm
Ambient operating temperature	$-25 \text{ °C} \dots +75 \text{ °C}$
Housing material	Brass, nickel-plated
Sensing face material	Plastic, PA 66
Housing length	65 mm
Thread length	43 mm
Tightening torque, max.	$\leq 12 \text{ Nm}$
UL File No.	NRKH.E181493

¹⁾ At I_a max.

²⁾ Supply voltage U_B and constant ambient temperature T_a .

³⁾ Of S_r .

Safety-related parameters

MTTF_D	1,735 years
DC_{avg}	0 %

Reduction factors

Note	The values are reference values which may vary
St37 steel (Fe)	1
Stainless steel (V2A, 304)	Approx. 0.8
Aluminum (Al)	Approx. 0.45
Copper (Cu)	Approx. 0.4
Brass (Br)	Approx. 0.4

Installation note

Remark	Associated graphic see "Installation"
A	12 mm
B	24 mm
C	12 mm
D	24 mm
E	16 mm
F	64 mm

