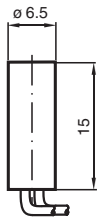


Inductive sensor
NJ1,5-6,5-15-N-Y180094

- 1.5 mm flush
- Usable up to SIL 2 acc. to IEC 61508



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	S _n	1.5 mm
Installation		flush
Assured operating distance	s _a	0 ... 1.35 mm
Reduction factor r _{AI}		0.22
Reduction factor r _{Cu}		0.19
Reduction factor r ₃₀₄		0.65
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8 V
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	typ. 5%
Suitable for 2:1 technology		yes , Reverse polarity protection diode not required
Current consumption		
Measuring plate not detected		≥ 2.2 mA
Measuring plate detected		≤ 0.95 mA
Compliance with standards and directives		

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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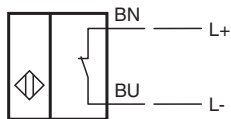
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PEPPERL+FUCHS

Technical Data

Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
EAC conformity		TR CU 012/2011
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		flexible leads PVC , 110 mm
Core cross-section		0.14 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67
General information		
Use in the hazardous area		see instruction manuals

Connection



Mounting

Mounting details:

- non embeddable mounting
--> increase factor $S_R = 1.15$
- embeddable mounting in aluminium
--> reduction factor $S_R = 0.75$
- embeddable mounting in steel
--> mounting hole lowered at
the front face $0.5 \times 45^\circ$