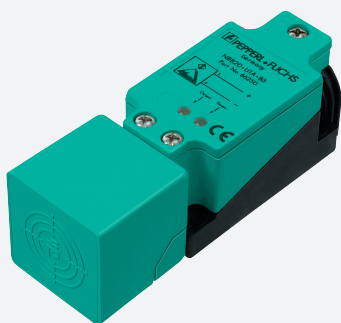


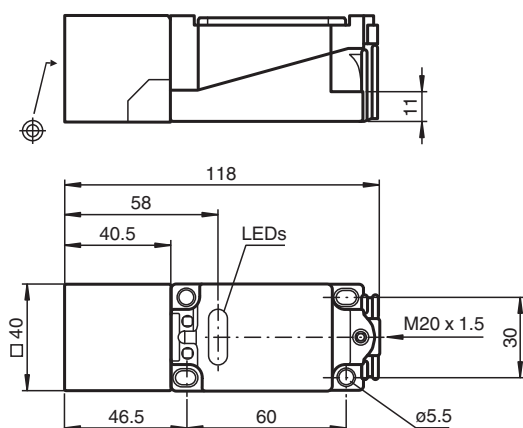


Inductive sensor NJ20P+U1+A2

- Only for non-ferrous metals
- 20 mm non-flush
- 4-wire DC



Dimensions



Technical Data

General specifications

Switching function		complementary
Output type		PNP
Rated operating distance	s_n	20 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	1 ... 16.2 mm
Reduction factor r_{Al}		1
Reduction factor r_{Cu}		1
Reduction factor r_{Si37}		0
Reduction factor r_{Brass}		1 (Minimum distance: 2 mm)

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 200 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		reverse polarity protected

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 016259_eng.pdf

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

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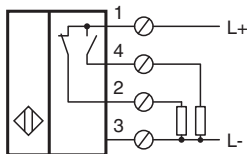
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 **PEPPERL+FUCHS**

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3 \text{ V}$
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	$\leq 20 \text{ mA}$
Time delay before availability	t_v	$\leq 10 \text{ ms}$
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		$-25 \dots 70 \text{ }^\circ\text{C}$ ($-13 \dots 158 \text{ }^\circ\text{F}$)
Mechanical specifications		
Connection type		terminal compartment
Information for connection		A maximum of two conductors with the same core cross section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross-section		up to 2.5 mm^2
Minimum core cross-section		without wire end ferrule 0.5 mm^2 , with connector sleeves 0.34 mm^2
Maximum core cross-section		without wire end ferrule 2.5 mm^2 , with connector sleeves 1.5 mm^2
Housing material		PBT
Sensing face		PBT
Housing base		PBT
Degree of protection		IP68

Connection



Accessories

	MHW 01	Modular mounting bracket
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