

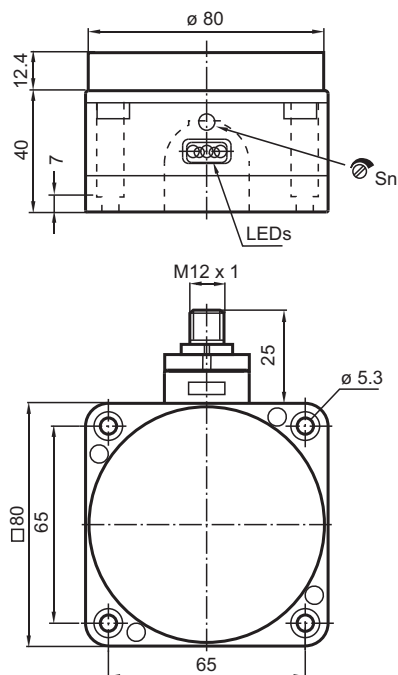


Inductive sensor NJ60-FP-E2-P2-V1

- 60 mm non-flush
- Operating distance adjustable via potentiometer



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	PNP	
Rated operating distance	s_n	60 mm
Installation	non-flush	

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

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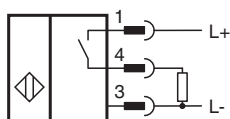
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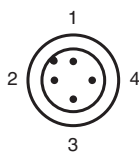
Technical Data

Output polarity		DC
Assured operating distance	s_a	0 ... 48.6 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Adjustment aid		LED, green/red
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 20 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
Ambient conditions		
Ambient temperature		0 ... 60 °C (32 ... 140 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		POM
Sensing face		POM
Degree of protection		IP65

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)