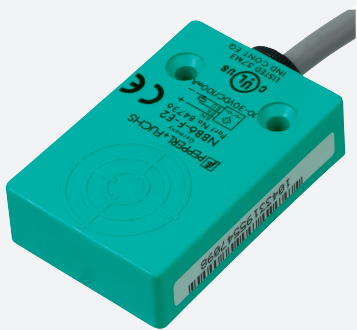




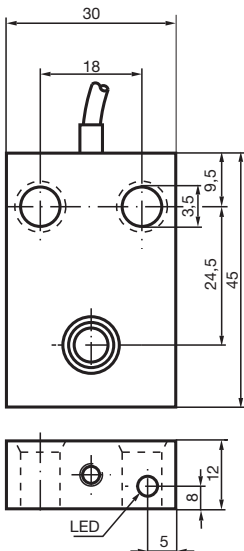
Inductive sensor

NJ6-F-A2

- Comfort series
- 6 mm flush
- 4-wire DC



Dimensions



Technical Data

General specifications		
Switching function		complementary
Output type		PNP
Rated operating distance	S _n	6 mm
Installation		flush
Output polarity		DC
Assured operating distance	S _a	0 ... 4.8 mm
Actual operating distance	S _r	5.4 ... 6.6 mm typ.
Reduction factor r _{Al}		0.22
Reduction factor r _{Cu}		0.2
Reduction factor r ₃₀₄		0.7
Output type		4-wire
Nominal ratings		

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

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PEPPERL+FUCHS

Technical Data

Operating voltage	U_B	10 ... 60 V DC
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	0 ... 0.3 typ. 0.1 %
Reverse polarity protection		reverse polarity protected
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	≤ 15 ms
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		690 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
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		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablE PUR , 2 m
Core cross-section		0.34 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67

Connection

