

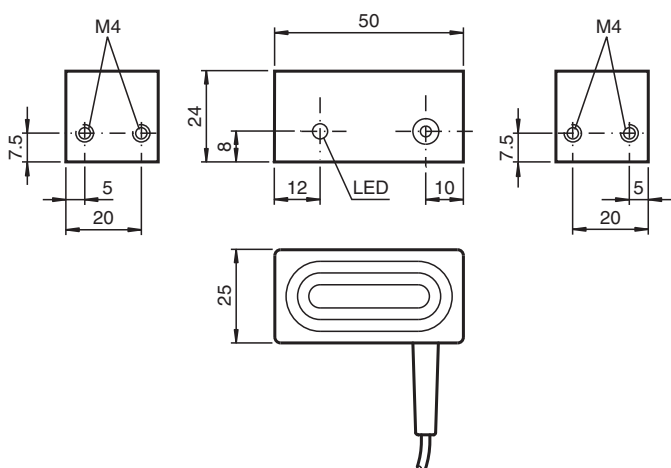


Inductive sensor FJ7-N

■ 7 mm flush



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type	NAMUR	
Rated operating distance	s_n	7 mm
Installation	flush	
Assured operating distance	s_a	0 ... 5.67 mm
Reduction factor r_{AI}	0.4	
Reduction factor r_{Cu}	0.3	
Reduction factor r_{304}	0.85	
Output type	2-wire	

Nominal ratings

Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 200 Hz
Hysteresis	H	typ. %

Current consumption

Measuring plate not detected	≥ 3 mA at nominal voltage	
Measuring plate detected	≤ 1 mA at nominal voltage	
Switching state indicator	LED, yellow	

Functional safety related parameters

MTTF _d	4080 a	
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
NAMUR	EN 60947-5-6:2000
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	
FM approval	
Control drawing	116-0165
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications	
Connection type	cabl PUR , 2 m
Core cross-section	0.34 mm ²
Housing material	brass, zinc plated
Sensing face	POM
Degree of protection	IP67
Cable	
Bending radius	> 10 x cable diameter
General information	
Use in the hazardous area	see instruction manuals

Connection

N / NO

