

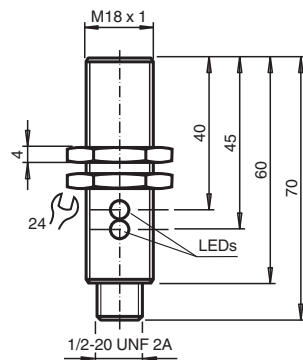
Inductive sensor

NBB8-18GM60-UO-V12

- Cylindrical
- 8 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type	Two-wire	
Rated operating distance	s_n	8 mm
Installation	flush	
Output polarity	AC/DC	
Reduction factor r_{AI}	0.45	
Reduction factor r_{Cu}	0.4	
Reduction factor r_{304}	0.7	
Output type	3-wire	

Nominal ratings

Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 % typ. 5 %
Reverse polarity protection	yes	
Short-circuit protection	yes	
Voltage drop	U_d	≤ 8 V
Rated operating current	I_e	4 ... 300 mA AC/DC
Off-state current	I_r	≤ 0.8 mA
Operating voltage indicator	LED, green	
Switching state indicator	LED, yellow	

Functional safety related parameters

MTTF _d	1004 a	
Mission Time (T _M)	20 a	
Diagnostic Coverage (DC)	0 %	

Electrical specifications

Rated operating voltage	U_e	20 ... 250 V AC/DC
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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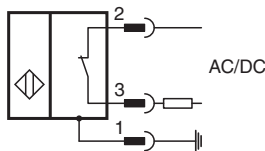
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PEPPERL+FUCHS

Technical Data

Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Standard conformity		
Standards		IEC / EN 60947-5-2:2004
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)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		Connector plug
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Connector		
Threading		1/2"-20 UN
Number of pins		3
Mass		62 g
Dimensions		
Length		70 mm
Diameter		18 mm

Connection



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