

Inductive sensor

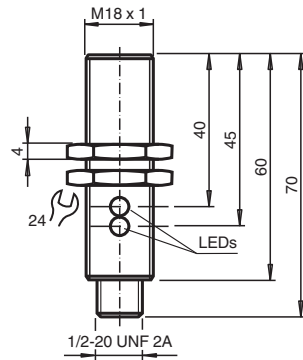
NBB8-18GM60-UO-V12



- 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

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

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PEPPERL+FUCHS

Technical Data

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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Compliance with standards and directives

Standard conformity

Standards	EN IEC 60947-5-2
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Standard conformity

Standards	IEC / EN 60947-5-2:2004
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Approvals and certificates

UL approval	cULus Listed Load Type: General Purpose Enclosure Type Rating: Type 1
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 Assignment

