

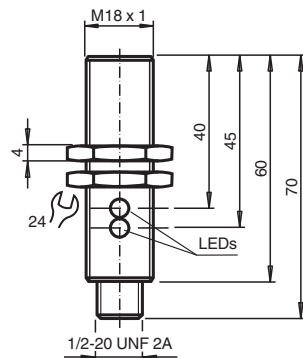
Inductive sensor

NBB8-18GM60-US-V12

- 8 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	Two-wire	
Rated operating distance	s_n	8 mm
Installation	flush	
Output polarity	AC/DC	
Reduction factor r_{Al}	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	reverse polarity tolerant	
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	

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

Approvals and certificates

Release date: 2024-10-17 Date of issue: 2024-10-17 Filename: 198078_eng.pdf

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

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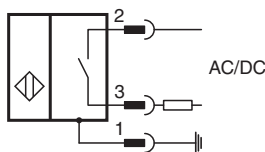
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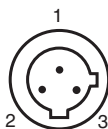
Technical Data

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	64 g
Dimensions	
Length	70 mm
Diameter	18 mm

Connection



Connection Assignment



Wire colors	
1	GN (green)
2	RD/BK (red/black)
3	RD/WH (red/white)