

Inductive sensor

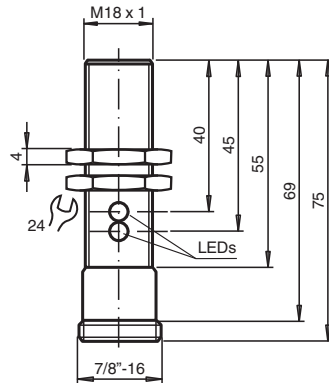
NBB8-18GM55-UO-V93



- 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_{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		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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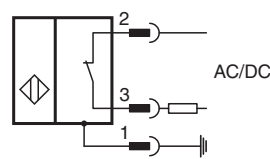
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PEPPERL+FUCHS

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
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
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		7/8 inch-16 UN
Number of pins		3
Mass		74 g
Dimensions		
Length		75 mm
Diameter		18 mm

Connection Assignment



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