

Inductive sensor

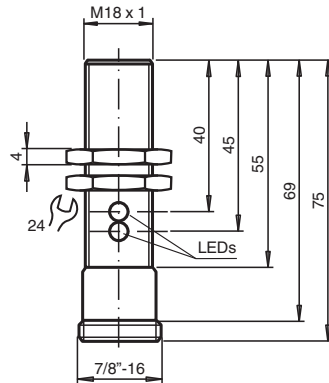
NBB8-18GM55-UO-V93



- 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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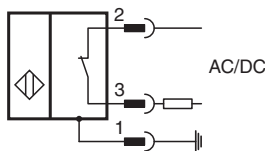
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 **PEPPERL+FUCHS**

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, 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		7/8 inch-16 UN	
Number of pins		3	
Mass		74 g	
Dimensions			
Length		75 mm	
Diameter		18 mm	

Connection



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