

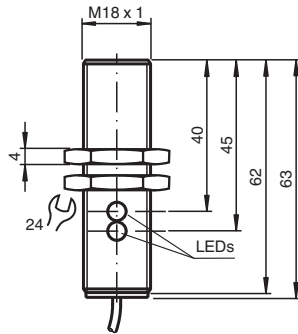
Inductive sensor NBB8-18GM60-US



- 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		2-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

Functional safety related parameters

Release date: 2025-11-20 Date of issue: 2025-11-20 Filename: 198076_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

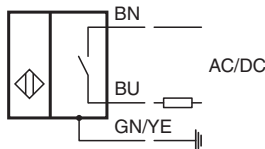
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

MTTF _d	986 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	cable
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Cable	
Wire end ferrules	yes
Bending radius	> 10 x cable diameter
Material	PUR
Color	black
Number of cores	3
Core cross section	0.5 mm ²
Length	L 2 m
Mass	176 g
Dimensions	
Length	63 mm
Diameter	18 mm

Connection Assignment



Release date: 2025-11-20 Date of issue: 2025-11-20 Filename: 198076_eng.pdf