

Inductive sensor

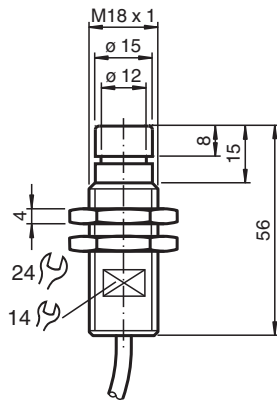
NCB1,5-18GM60-E3-D



- 1.5 mm flush
- Compression proof up to 350 bar, dynamic on active surface
- For applications in hydraulic cylinder



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.22 mm
Reduction factor r_{304}		0.5
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 1500 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 200 mA

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 088007_eng.pdf

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

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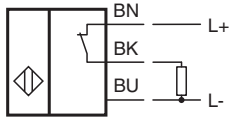
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Technical Data

No-load supply current	I_0	$\leq 10 \text{ mA}$
Limit data		
Operating pressure		350 bar (5076.4 psi)
Functional safety related parameters		
MTTF _d		1240 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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		-35 ... 80 °C (-31 ... 176 °F)
Mechanical specifications		
Connection type		cablc PVC , 2 m
Core cross section		0.34 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Epoxy (black)
Degree of protection		IP67
Mass		140 g

Connection Assignment



Installation

Note

Please refer to the technical information about this product at www.pepperl-fuchs.com. This information describes the necessary geometry of the installation space!