

Inductive sensor

NCB1,5-18GM60-E3-D-V1

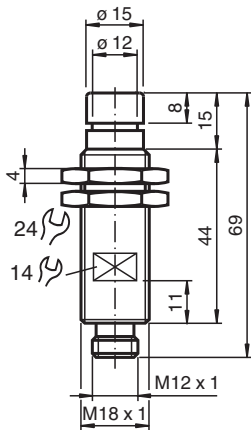


- 1.5 mm flush
- Compression proof up to 350 bar, dynamic on active surface
- For applications in hydraulic cylinder

Inductive sensor



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

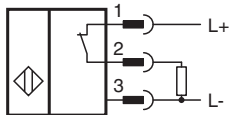
Operating voltage	U_B	10 ... 60 V DC
Switching frequency	f	0 ... 1500 Hz
Hysteresis	H	1 ... 10 % typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 10 mA

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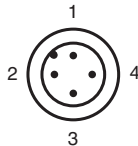
Technical Data

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 IEC 60947-5-2
Approvals and certificates	
UL approval	cULus 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	Connector plug
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Epoxy (black)
Degree of protection	IP67
Connector	
Threading	M12 x 1
Number of pins	4
Mass	89 g
Dimensions	
Length	65 mm
Diameter	18 mm

Connection



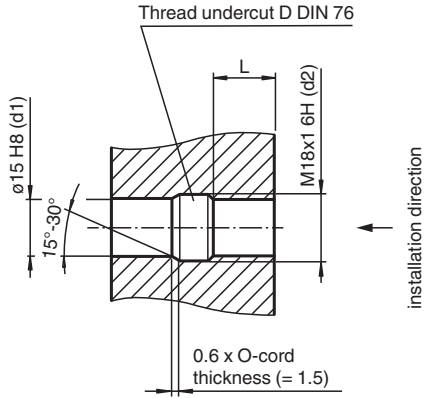
Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Installation Conditions



L: recommended installation depth: $L \geq 0.8 \times d2$

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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!