



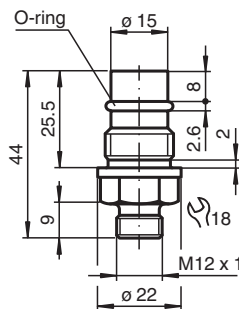
Inductive sensor

NJ1,5-18GM-N-D-V1-Y29033

- 1.5 mm flush
- Compression proof up to 350 bar, dynamic on active surface



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	s _n	1.5 mm
Installation		flush
Assured operating distance	s _a	0 ... 1.22 mm
Reduction factor r _{Al}		0
Reduction factor r _{Cu}		0
Reduction factor r ₃₀₄		0.55
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8 V
Switching frequency	f	0 ... 400 Hz
Hysteresis	H	typ. %
Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA

Release date: 2024-05-28 Date of issue: 2024-06-02 Filename: 70139683_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

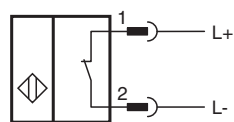
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

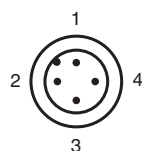
Technical Data

Limit data		
Operating pressure		350 bar (5076.4 psi)
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2
Approvals and certificates		
IECEX approval		
Equipment protection level Gb		IECEX PTB 11.0037X
Equipment protection level Da		IECEX PTB 11.0037X
Equipment protection level Mb		IECEX PTB 11.0037X
ATEX approval		
Equipment protection level Gb		PTB 00 ATEX 2048 X
Equipment protection level Da		PTB 00 ATEX 2048 X
UL approval		cULus Listed, Class 2 Power Source
CML approval		on request
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		4-pin, M12 x 1 connector
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Ceramic
Degree of protection		IP67
Dimensions		
Length		35 mm
Diameter		18 mm
General information		
Use in the hazardous area		see instruction manuals

Connection



Connection Assignment



Release date: 2024-05-28 Date of issue: 2024-06-02 Filename: 70139683_eng.pdf