

Properties

- Ø18 mm housing
- 1.5 mm flush mountable
- DC, NAMUR interface
- Cable and connector versions

Your Benefit

- ATEX approved sensor applicable up to zone 0 and zone 20
- Usable up to SIL2 acc. to IEC 61508
- Compression proof up to 350 bar, dynamically on active surface

Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

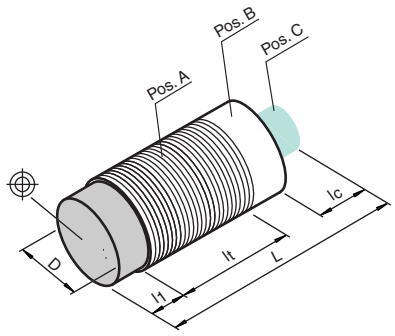
General Data	
Rated operating distance	1.5 mm
Installation	flush
Switching element function	NAMUR, NC
Nominal voltage	8.2 V (R_i approx. 1 kΩ)
Current consumption	
Measuring plate not detected	≥ 3 mA
Measuring plate detected	≤ 1 mA
Switching frequency	0 ... 400 Hz
Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
Housing material	Stainless steel 1.4305 / AISI 303

Model Number		NJ1,5-18GM-N-D	NJ1,5-18GM-N-D-V1
Protection degree	IP66 / IP68	●	
	IP67		●
Connection type	Device connector M12 x 1 , 4-pin		●
	cable PVC , 2 m	●	
Use in the Hazardous Area			
Use in the hazardous area	see instruction manuals	●	●
Category	2G; 1D	●	●
Approvals and Certificates			
UL approval	cULus Listed, General Purpose	●	●
CSA approval	cCSAus Listed, General Purpose	●	●
Dimensions			
Length L [mm]		50	45
Diameter D [mm]		18	
Thread length l_t [mm]		20	
Cap length l_1 [mm]		15	
Connector area l_c [mm]		0	10
LED position		-	

Accessories

This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

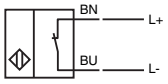
V1-G	4-pin, M12 female field-attachable connector
V1-W	4-pin, M12 female field-attachable connector
V1-W-N-2M-PUR	Cable socket, M12, 2-pin, NAMUR, PUR cable
V1-G-N-2M-PUR	Cable socket, M12, 2-pin, NAMUR, PUR cable



Electrical Connection

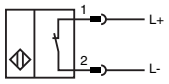
NJ1,5-18GM-N-D

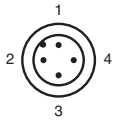




NJ1,5-18GM-N-D-V1







Wire colors in accordance with EN 60947-5-6

1	BN	(brown)
2	BU	(blue)

Date of issue 07/30/2012