

Technical Data

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

General Data	
Switching element function	NAMUR, NC
Nominal voltage	8 V DC
Current consumption	
Measuring plate not detected	≥ 3 mA
Measuring plate detected	≤ 1 mA
Housing material	PP
Protection degree	IP68
Connection type	cable silicon , 2 m



Model Number		NJ2-12GK-SN	NJ4-12GK-SN
Rated operating distance	2 mm	●	
	4 mm		●
Installation	flush	●	
	non-flush		●
Switching frequency	0 ... 1500 Hz		●
	0 ... 2000 Hz	●	
Suitable for 2:1 technology	✔, with reverse polarity protection diode	●	
Ambient temperature	-40 ... 100 °C (-40 ... 212 °F)	●	
	-50 ... 100 °C (-58 ... 212 °F)		●
Use in the Hazardous Area			
Use in the hazardous area	see instruction manuals	●	●
Category	1G; 2G; 1D	●	
	1G; 2G; 3G; 1D; 3D		●
Approvals and Certificates			
FM control drawing	116-0165F	●	●
UL approval	cULus Listed, General Purpose	●	●
CSA approval	cCSAus Listed, General Purpose	●	●
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.		

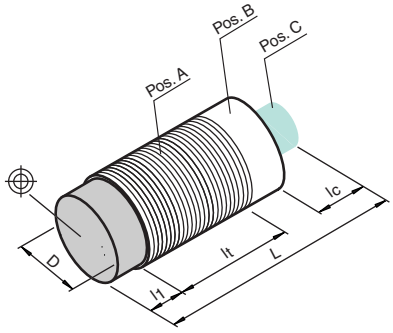
Dimensions	
Length L [mm]	34
Diameter D [mm]	12
Thread length l_t [mm]	30
Cap length l_1 [mm]	0
Connector area l_c [mm]	0
LED position	-

Properties

- Ø12 mm housing
- 2 mm, flush and 4 mm, non-flush mountable versions
- DC, NAMUR safety interface
- Cable version

Your Benefit

- Usable up to SIL 3 acc. to IEC 61508
- Usable in hazardous area
- High protection degree (IP68)



Accessories

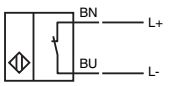
This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets
See pages 1074 ... for mounting aids

BF 12	Mounting flange, 12 mm
EXG-12	Quick mounting bracket with dead stop

Electrical Connection



NJ4-12GK-SN
NJ2-12GK-SN



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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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