

Technical Data

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

General Data	
Nominal voltage	8 V DC
Housing material	PP
Protection degree	IP68
Connection type	cable silicon , 2 m

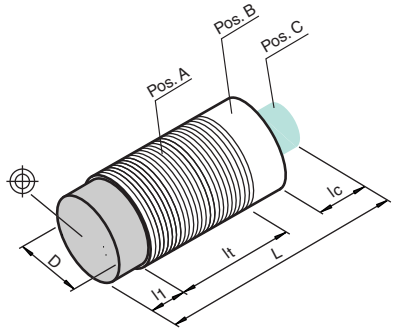
Model Number		NJ5-30GK-S1N	NJ10-30GK-SN	NJ15-30GK-SN
Rated operating distance	5 mm	●		
	10 mm		●	
	15 mm			●
Installation	flush	●	●	
	non-flush			●
Switching element function	NAMUR, NO	●		
	NAMUR, NC		●	●
Current consumption				
Measuring plate not detected	≥ 3 mA		●	●
	≤ 1 mA	●		
Measuring plate detected	≥ 3 mA	●		
	≤ 1 mA		●	●
Switching frequency	0 ... 100 Hz			●
	0 ... 150 Hz	●		
	0 ... 300 Hz		●	
Suitable for 2:1 technology	✔ , with reverse polarity protection diode	●		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	●		
	-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]			40	
Diameter D [mm]			30	
Thread length l_t [mm]			34.5	
Cap length l_1 [mm]			1	
Connector area l_c [mm]			0	
LED position			-	

Properties

- Ø30 mm housing
- Up to 15 mm, flush and 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)
- Versions usable in applications that require extended temperature range down to -50 °C (-58 °F)



Accessories

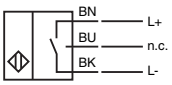
This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets
See pages 1074 ... for mounting aids

BF 30	Mounting flange, 30 mm

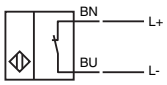
Electrical Connection



NJ5-30GK-S1N



NJ10-30GK-SN
NJ15-30GK-SN



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