

Properties

- 3.5 mm slot width
- Very fast response
- DC, 2-wire NAMUR
- Flexible leads version

Your Benefit

- Usable up to SIL 2 acc. to IEC 61508
- ATEX approval up to zone 0 / zone 20

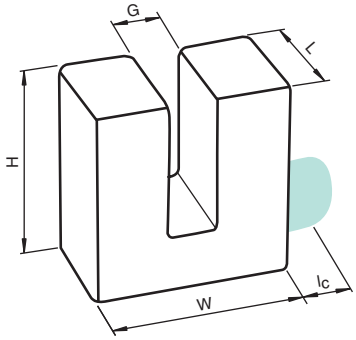
Technical Data

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

General Data	
Slot width	3.5 mm
Switching element function	NAMUR, NC
Depth of immersion (lateral)	5 ... 7 mm , typ. 6 mm
Nominal voltage	8.2 V (R_i approx. 1 kΩ)
Operating voltage	5 ... 25 V
Current consumption	
Measuring plate not detected	≥ 3 mA
Measuring plate detected	≤ 1 mA
Switching frequency	0 ... 3000 Hz
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Protection degree	IP67

Model Number		SJ3,5-N	SJ3,5-G-N	SJ3,5-N LED	SC3,5-G-N0	SC3,5-N0-GN
Suitable for 2:1 technology	✔, Reverse polarity protection diode not required	●	●		●	●
	✔, with reverse polarity protection diode			●		
Indication of the switching state	LED, yellow			●	●	●
Housing material	PBT		●	●	●	●
	PBT/PPS	●				
Connection type	flexible leads LIY , 500 mm	●	●	●		
	flexible leads PVC , 135 mm				●	
	flexible leads PVC , 500 mm					●
						
Use in the Hazardous Area						
Use in the hazardous area	see instruction manuals	●	●	●	●	●
Category	1G; 2G; 1D	●	●			●
	1G; 2G; 3G; 1D				●	
	2G			●		
Approvals and Certificates						
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.					

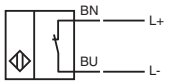
Dimensions				
Length L [mm]	10			
Width W [mm]	19		19.5	
Height H [mm]	15			
Slot width G [mm]	3.5			
Connector area l_c [mm]	0			



Electrical Connection



SC3,5-G-N0
SC3,5-N0-GN
SJ3,5-G-N
SJ3,5-N



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