

Technical Data

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

General Data	
Rated operating distance	40 mm
Installation	non-flush
Switching element function	NAMUR, NC
Type of voltage	DC
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 ... 100 Hz
Ambient temperature	-40 ... 100 °C (-40 ... 212 °F)
Protection degree	IP68
Connection type	screw terminals



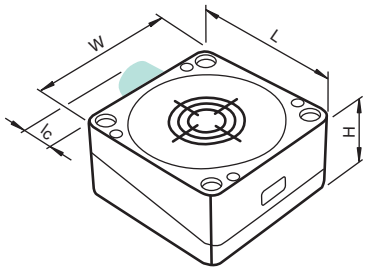
Model Number		NJ40-FP-SN-P1	NJ40-FP-SN-P4
Housing material	PBT housing / PBT base	●	
	PBT housing / metal base		●
Use in the Hazardous Area			
Use in the hazardous area	see instruction manuals	●	●
Category	2G; 1D	●	●
Approvals and Certificates			
Control drawing	116-0165F		●
UL approval	cULus Listed, 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]		80	
Width W [mm]		80	
Height H [mm]		40	
Connector area l_c [mm]		11 (M20 x 1.5)	

Properties

- Flat pack housing
- 40 mm, non-flush mountable
- DC, NAMUR safety interface
- Terminal compartment

Your Benefit

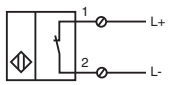
- Usable up to SIL 3 acc. to IEC 61508
- ATEX approval up to zone 1 / zone 20



Electrical Connection



NJ40-FP-SN-P4
NJ40-FP-SN-P1



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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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Pepperl+Fuchs Group www.pepperl-fuchs.com
USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com
Germany: +49 621 776-4411 fa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com
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