

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
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 ... 150 Hz
Ambient temperature	-40 ... 100 °C (-40 ... 212 °F)
Protection degree	IP68
Connection type	screw terminals

Model Number		NJ15S+U1+N	NJ20S+U1+N	NJ15S+U4+N	NJ20S+U4+N
Rated operating distance	15 mm	●		●	
	20 mm		●		●
Installation	flush	●		●	
	non-flush		●		●
Housing material	PBT housing / PBT base	●	●		
	PBT housing / metal base			●	●
Use in the Hazardous Area					
Use in the hazardous area	see instruction manuals	●	●	●	●
Category	1G; 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]		118			
Width W [mm]		40			
Height H [mm]		40			
Connector area l_c [mm]		0 (M20 x 1.5)		0 (1/2" NPT)	

Properties

- **Flexible *VariKont* housing**
- **15 mm, flush and 20 mm, non-flush mountable versions**
- **DC, NAMUR safety interface**
- **Terminal compartment**

Your Benefit

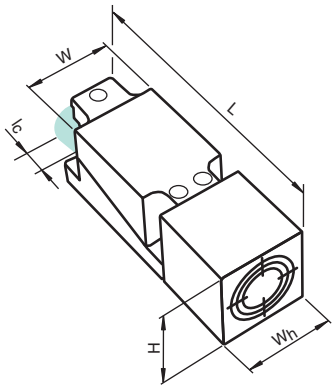
- **Usable up to SIL 3 acc. to IEC 61508**
- **ATEX approval up to zone 0 / zone 20**

Further Products

In this series, we offer the following additional products:

NJ6S1+U1+N1

for non-ferrous metals only.
Technical data:
Rated operating distance: 6 mm
Installation: flush in mild steel
Switching element function: NAMUR, NO
Current consumption
Measuring plate not detected: ≤ 1 mA
Measuring plate detected: ≥ 3 mA
Target object: aluminium plate



Accessories

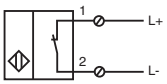
This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets **See pages 1074 ... for mounting aids**

MHW 01	Modular mounting bracket
MH 04-2681F	Mounting aid for VariKont, +U1+ and +U9*
MH 04-2057B	Mounting aid for VariKont and +U1+

Electrical Connection

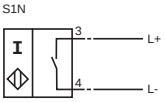


NJ15S+U1+N
NJ15S+U4+N
NJ20S+U1+N
NJ20S+U4+N



NJ6S1+U1+N1

S1N



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