



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	8.2 V (R _i approx. 1 kΩ)
Current consumption	
Measuring plate not detected	≥ 3 mA
Measuring plate detected	≤ 1 mA
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Housing material	PBT
Protection degree	IP67
Connection type	terminal compartment



Properties

- Ø30 mm and Ø40 mm housing versions
- 10 mm to 20 mm flush and non-flush mountable versions
- DC, NAMUR interface
- Terminal compartment

Your Benefit

- ATEX approved sensor applicable up to zone 1
- Usable up to SIL2 acc. to IEC 61508

Model Number

		NJ10-30GKK-N	NJ15-30GKK-N	NJ20-40-N
Rated operating distance	10 mm	●		
	15 mm		●	
	20 mm			●
Installation	flush	●		
	non-flush		●	●
Switching frequency	0 ... 100 Hz		●	●
	0 ... 300 Hz	●		

Use in the Hazardous Area

		NJ10-30GKK-N	NJ15-30GKK-N	NJ20-40-N
Use in the hazardous area	see instruction manuals	●	●	●
Category	2G	●	●	●

Approvals and Certificates

		NJ10-30GKK-N	NJ15-30GKK-N	NJ20-40-N
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

	NJ10-30GKK-N	NJ15-30GKK-N	NJ20-40-N
Length L [mm]	115		95
Diameter D [mm]	30		40
Thread length l _t [mm]	58		0 (50)
Cap length l ₁ [mm]	2		0
Connector area l _c [mm]		0	
LED position		-	

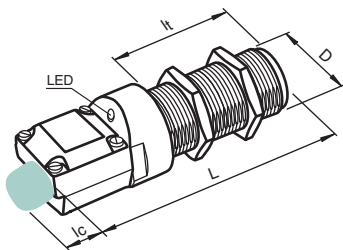
Accessories

This and more accessories can be found in chapter 10

See pages from 972 ... for cordsets

See pages 1068 ... for mounting aids

- BF 30** Mounting flange, 30 mm
- BF 40** Mounting flange, 40 mm



Electrical Connection



NJ10-30GKK-N
NJ15-30GKK-N

NJ20-40-N

