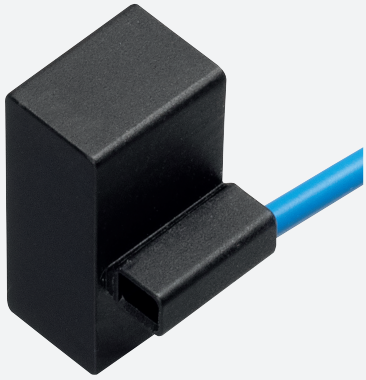
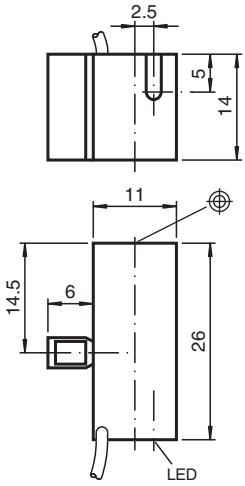


Inductive sensor

NCN2-F56-N1-Y107584

- 2 mm non-flush

Dimensions



Technical Data

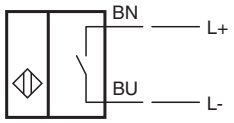
General specifications		
Output type		NAMUR
Rated operating distance	s_n	2 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 1.62 mm
Actual operating distance	s_r	1.8 ... 2.2 mm typ.
Reduction factor r_{Al}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{304}		0.8
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 1 kΩ)
Switching frequency	f	0 ... 300 Hz
Hysteresis	H	1 ... 10 % typ. 3 %
Reverse polarity protection		reverse polarity protected
Current consumption		
Measuring plate not detected		≤ 1 mA

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Technical Data

Measuring plate detected		≥ 3 mA
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
IECEx approval		
Equipment protection level Gb		IECEx PTB 11.0021X
Equipment protection level Da		IECEx PTB 11.0021X
Equipment protection level Mb		IECEx PTB 11.0021X
ATEX approval		
Equipment protection level Gb		PTB 00 ATEX 2032 X
Equipment protection level Da		PTB 00 ATEX 2032 X
UL approval		cULus Listed Load Type: Resistive Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
CML approval		on request
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		cable
Housing material		PA 6 GF35 Grivory GVN-35H sw
Sensing face		PA 6 GF35 Grivory GVN-35H sw
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		2.6 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		blue
Number of cores		2
Core cross section		0.14 mm^2
Length	L	0.17 m
Dimensions		
Height		17 mm
Width		14 mm
Length		26 mm
General information		
Use in the hazardous area		see instruction manuals

Connection Assignment



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