CE

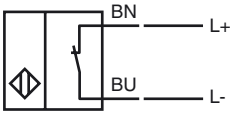
Model Number

NJ6-22-SN-G-Y15196

Features

- **6 mm flush**

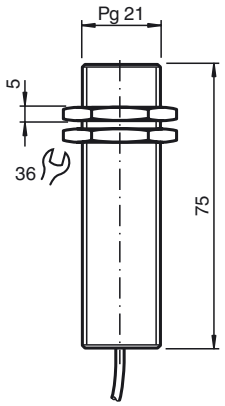
Connection



Application

Danger!
In safety-related applications the sensor must be operated with a qualified fail safe interface from Pepperl+Fuchs, such as KFD2-SH-EX1. Consider the "exida Functional Safety Assessment" document which is available on www.pepperl-fuchs.com as an integral part of this product's documentation.

Dimensions



Technical Data

General specifications		
Switching element function		NAMUR, NC
Rated operating distance	s_n	6 mm
Installation		flush
Output polarity		Safety Function
Assured operating distance	s_a	0 ... 4.86 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Nominal ratings		
Nominal voltage	U_o	8 V
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA
Ambient conditions		
Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		cable silicon , 5 m
Core cross-section		0.75 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Protection degree		IP68
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

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ATEX

Data for Ex areas

Effective internal inductivity	C_i	≤ 110 nF
Effective internal inductance	L_i	≤ 155 µH

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