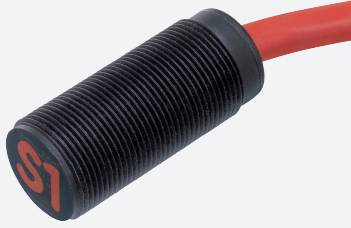


Inductive sensor

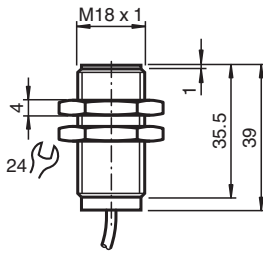
NJ5-18GK-SN-Y43392



■ 5 mm flush

CE
0102

Dimensions



Technical Data

General specifications

Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		Safety Function
Assured operating distance	s_a	0 ... 4.05 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Output type		2-wire

Nominal ratings

Nominal voltage	U_o	8 V
Operating voltage	U_B	5 ... 25 V ¹⁾
Switching frequency	f	0 ... 500 Hz
Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA

Compliance with standards and directives

Release date: 2020-09-15 Date of issue: 2020-09-15 Filename: 043392_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Standard conformity		
NAMUR		EN 60947-5-6:2000
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Ambient conditions		
Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Core cross-section		0.75 mm ²
Housing material		PP
Sensing face		PP
Degree of protection		IP68
ATEX		
Data for Ex areas		
Marking		⊕ II 2G EEx ia IIC T6
Appropriate type		NJ 5-18GK-SN...
Effective internal capacitance	C_i	≤ 120 nF
Effective internal inductance	L_i	≤ 200 μH

Connection

