



Model Number

NJ5-18GK-SN-Y07794

Features

- 5 mm flush

Technical Data

General specifications

Switching function		Normally closed (NC)
Rated operating distance	s_n	5 mm
Installation		flush
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
Switching frequency	f	0 ... 500 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

Functional safety related parameters

MTTF _d		9154 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %

Ambient conditions

Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
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Mechanical specifications

Connection type		cable PTFE , 4 m
Core cross-section		0.25 mm ²
Housing material		PP
Sensing face		PP
Degree of protection		IP68
Cable		
Bending radius		> 7.5 x cable diameter

General information

Use in the hazardous area		see instruction manuals
Category		2G

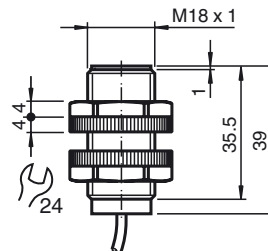
Compliance with standards and directives

Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

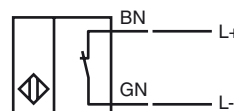
Approvals and certificates

UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose

Dimensions



Electrical Connection



Equipment protection level Gb

CE marking		CE 0102
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Effective internal inductivity	C_i	≤ 120 nF ; a cable length of 10 m is considered.
Effective internal inductance	L_i	≤ 200 μ H ; a cable length of 10 m is considered.
Maximum permissible ambient temperature T_{amb}		The temperature ranges, according to temperature class, are given