



Model Number

NJ5-18GK50-A2-10M

Features

- 5 mm flush

Accessories

- BF 18**
Mounting flange, 18 mm
- EXG-18**
Quick mounting bracket with dead stop

Technical Data

General specifications

Switching element function		PNP	NO/NC
Rated operating distance	s_n	5 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 4.05 mm	
Reduction factor r_{Al}		0.4	
Reduction factor r_{Cu}		0.35	
Reduction factor r_{304}		0.7	

Nominal ratings

Installation conditions			
A		0 mm	
B		0 mm	
C		15 mm	
Operating voltage	U_B	10 ... 60 V	
Switching frequency	f	0 ... 500 Hz	
Hysteresis	H	typ. 8 %	
Reverse polarity protection		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	U_d	≤ 3 V	
Operating current	I_L	0 ... 400 mA	
Lowest operating current	I_m	0 mA	
Off-state current	I_r	0 ... 0.5 mA typ. 0.01 mA	
No-load supply current	I_0	≤ 15 mA	
Switching state indicator		all direction LED, yellow	

Functional safety related parameters

MTTF _d	1140 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type	cable PVC , 10 m
Core cross-section	0.5 mm ²
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67

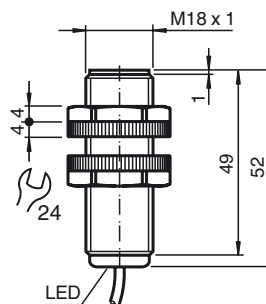
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

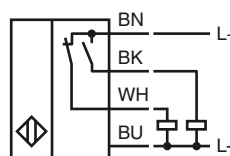
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

Dimensions



Electrical Connection



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