



Model Number

NBB5-18GK-WS

Features

- 5 mm flush
- AC version

Accessories

BF 18

Mounting flange, 18 mm

Technical Data

General specifications

Switching element function		AC	NO
Rated operating distance	s_n	5 mm	
Installation		flush	
Assured operating distance	s_a	0 ... 4.05 mm	
Reduction factor r_{Al}		0.2	
Reduction factor r_{Cu}		0.15	
Reduction factor r_{304}		0.62	

Nominal ratings

Operating voltage	U_B	20 ... 250 V
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5 %
Voltage drop	U_d	≤ 8 V
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	≤ 3 mA
No-load supply current	I_0	≤ 1.5 mA
Time delay before availability	t_v	≤ 20 ms

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	cabl PVC , 2 m
Core cross-section	0.75 mm ²
Housing material	PBT
Sensing face	PBT
Protection degree	IP68
Note	1) In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse ≤ 0.8 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

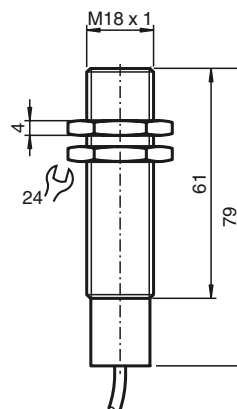
Compliance with standards and directives

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

