



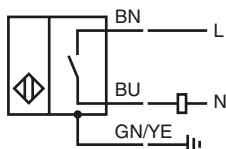
Model Number

NJ4-12GM50-WS-20M

Features

- 20 m cable length

Connection

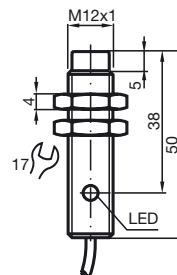


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications

Switching element function	AC	NO
Rated operating distance	s_n	4 mm
Installation	not embeddable	
Output polarity	AC	
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{Al}	0.4	
Reduction factor r_{Cu}	0.4	
Reduction factor r_{304}	0.7	

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Voltage drop	U_d	typ. 4 V at 15 ... 200 mA typ. 6.5 V at 5 mA
Momentary current (20 ms, 0.1 Hz)		0 ... 1200 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	typ. 0.7 mA
Indication of the switching state		LED, yellow

Ambient conditions

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

Connection type	cable PVC, 20 m
Core cross-section	0.34 mm ²
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	IP67

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