



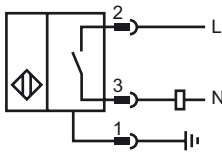
Model Number

NBB2-12GM60-WS-V12

Features

- 2 mm embeddable
- 2-wire AC

Connection



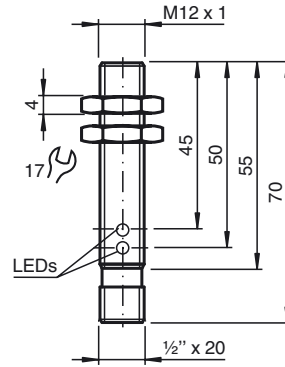
Pinout



Wire colors

1	GN
2	RD/BK
3	RD/WH

Dimensions



Technical Data

General specifications

Switching element function	AC	NO
Rated operating distance	s_n	2 mm
Installation	embeddable	
Output polarity	AC	
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{Al}	0.5	
Reduction factor r_{Cu}	0.4	
Reduction factor r_{V2A}	0.8	

Nominal ratings

Operating voltage	U_B	20 ... 150 V
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protected	tolerant	
Voltage drop	U_d	≤ 5 V
Momentary current (20 ms, 0.1 Hz)	0 ... 1700 mA	
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	0 ... 1.7 mA typ.
Operating voltage display	LED, green	
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	Device connector 1/2"-20 UN , 3-pin
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67
Mass	125 g
Note	1) In the temperature range below 0 °C, permissible operating voltage U_B 80...253 V Safety fuse ≤ 0.3 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

General information

Scope of delivery	2 self locking nuts in scope of delivery
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Compliance with standards and directives

Standard conformity	EN 60947-5-2:2007 IEC 60947-5-2:2007
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Approvals and certificates

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

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