



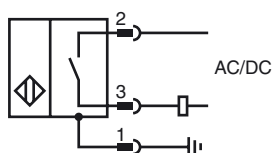
Model Number

NBN8-12GM65-US-V12

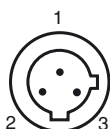
Features

- 8 mm not embeddable
- 2-wire AC/DC

Connection



Pinout



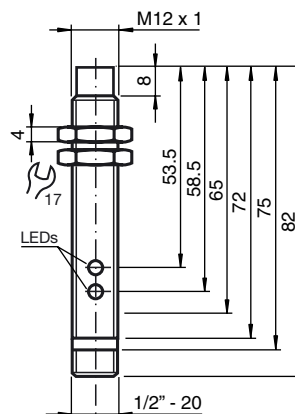
Wire colors

- | | | |
|---|--|-------------------|
| 1 | | GN (green) |
| 2 | | RD/BK (red/black) |
| 3 | | RD/WH (red/white) |

Accessories

- EXG-12**
Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications

Switching element function		AC/DC	NO
Rated operating distance	s_n	8 mm	
Installation		not embeddable	
Output polarity		AC/DC	NO
Reduction factor r_{AI}		0.5	
Reduction factor r_{Cu}		0.45	
Reduction factor r_{303}		0.75	

Nominal ratings

Operating voltage	U_B	20 ... 250 V AC/20 ... 300 V DC
Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		yes
Voltage drop	U_d	≤ 8 V
Operating current	I_L	8 ... 200 mA AC/DC
Off-state current	I_r	≤ 0.8 mA
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

General information

Scope of delivery	2 self locking nuts in scope of delivery
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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)