



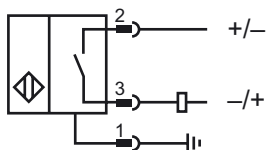
Model Number

NMB2-12GM85-US-C-FE-V12

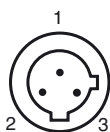
Features

- Stainless steel sensing face
- Sensing range 2 mm
- 2-wire AC/DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets

Connection



Pinout



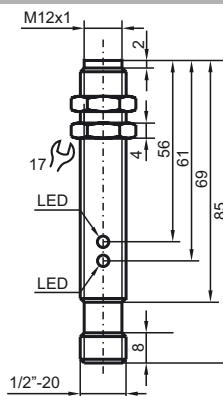
Wire colors

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

Accessories

- V12-G-YE2M-PVC**
Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
- V12-W-YE5M-PVC**
Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
- AB-12**
Mounting aid

Dimensions



Technical Data

General specifications

Switching element function	AC/DC	NO
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 1.62 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.4 - 0.7
Reduction factor r_{S137}		1
Reduction factor r_{Brass}		0

Nominal ratings

Operating voltage DC		20 ... 300 V
Operating voltage AC		20 ... 250 V
Switching frequency	f	0 ... 30 Hz
Hysteresis	H	3 ... 15 typ. 10 %
Reverse polarity protection		tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 7 V
Operating current	I_L	8 ... 200 mA
Off-state current	I_r	≤ 1.3 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Fault indication		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT

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	Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face	Xylan coated - Stainless steel 1.4305 / AISI 303
Protection degree	IP67 / IP68 / IP69K - cordset dependent according to cable Standard

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)

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