



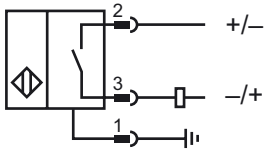
Model Number

NMB2-12GM85-US-NFE-V12

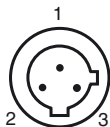
Features

- **Stainless steel sensing face**
- **Sensing range 2 mm**
- **2-wire AC/DC**
- **Nonferrous targets**

Connection



Pinout



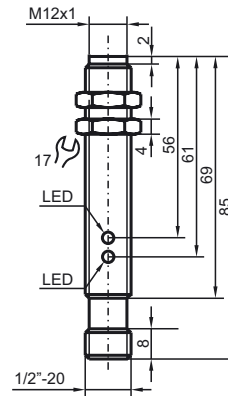
Wire colors

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

Accessories

- V12-W-YE5M-PVC**
Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
- V12-G-YE2M-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		Nonferrous targets
Reduction factor r_{Al}		1
Reduction factor r_{Cu}		1.1
Reduction factor r_{304}		0
Reduction factor r_{S137}		0
Reduction factor r_{Brass}		0.9

Nominal ratings

Operating voltage DC		20 ... 300 V
Operating voltage AC		20 ... 250 V
Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 7 V
Operating current	I_L	8 ... 200 mA
Off-state current	I_r	≤ 1.3 mA
Fault indication		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication

Indicators/operating means

Operating display	Dual LED
	Green: power
	Yellow: output

Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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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	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Protection degree	IP67 / IP68 / IP69K - cordset dependent according to cable specification

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

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