



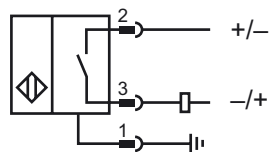
**Model Number**

NMB2-12GM85-US-FE-V12

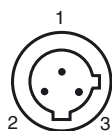
**Features**

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

**Connection**



**Pinout**



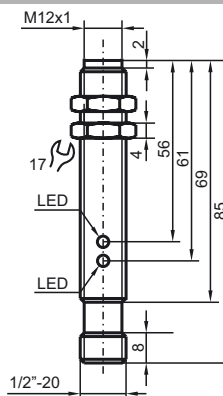
Wire colors

- |   |  |       |             |
|---|--|-------|-------------|
| 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	$f$ 30 Hz
Hysteresis	H 3 ... 15 typ. 5 %
Reverse polarity protection	yes
Short-circuit protection	yes
Voltage drop	$U_d$ $\leq$ 7 V
Operating current	$I_L$ 8 ... 200 mA
Off-state current	$I_r$ $\leq$ 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
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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 Standard
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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