



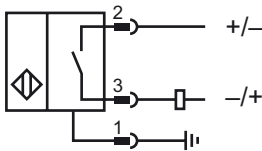
Model Number

NMB8-30GM85-US-FE-V12

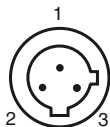
Features

- Stainless steel sensing face
- Sensing range 8 mm
- 2-wire AC/DC
- Ferrous targets

Connection



Pinout



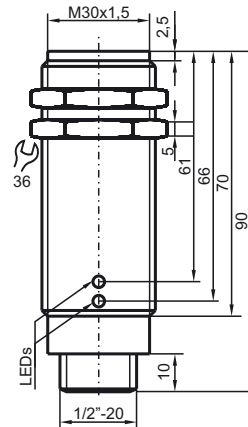
Wire colors

- | | | |
|---|--|-------|
| 1 | | GN |
| 2 | | RD/BK |
| 3 | | RD/WH |

Accessories

- V12-G-YE2M-PVC**
Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
- V12-W-YE2M-PVC**
Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
- AB-30**
Mounting aid

Dimensions



Technical Data

General specifications

Switching element function		AC/DC	NO
Rated operating distance	s_n	8 mm	
Installation		embeddable	
Output polarity		AC/DC	
Assured operating distance	s_a	0 ... 6.48 mm	
Actuating element		Ferrous targets	
Reduction factor r_{Al}		0	
Reduction factor r_{Cu}		0	
Reduction factor r_{V2A}		0.4 - 0.7	
Reduction factor r_{St37}		1	
Reduction factor r_{Brass}		0	

Nominal ratings

Operating voltage DC		20 ... 300 V
Operating voltage AC		20 ... 250 V
Switching frequency	f	10 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protected		tolerant
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

Approvals and certificates

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

Release date: 2010-08-17 18:02 Date of issue: 2010-08-17 900140_ENG.xml