



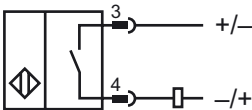
Model Number

NMB2-12GM75-Z0-C-FE-V1

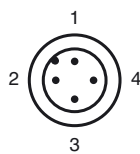
Features

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

Connection



Pinout



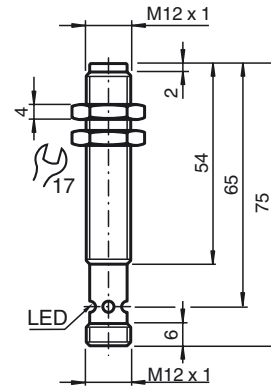
Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

- V1-G-OR2M-POC**
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant
- V1-W-OR2M-POC**
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant
- AB-12**
Mounting aid

Dimensions



Technical Data

General specifications

Switching element function		DC	NO
Rated operating distance	s_n	2 mm	
Installation		flush	
Output polarity		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}		0.75	
Reduction factor r_{St37}		1	
Reduction factor r_{Brass}		0	

Nominal ratings

Operating voltage	U_B	6 ... 30 V DC
Switching frequency	f	0 ... 5 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		no
Voltage drop	U_d	≤ 5.5 V DC
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	≤ 800 μ A
Switching state indication		Multihole-LED, yellow
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 M12 x 1, 4-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 specification

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	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.

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