



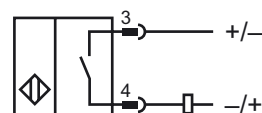
**Model Number**

NMB2-12GM75-Z0-FE-V1

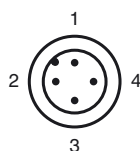
**Features**

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

**Connection**



**Pinout**



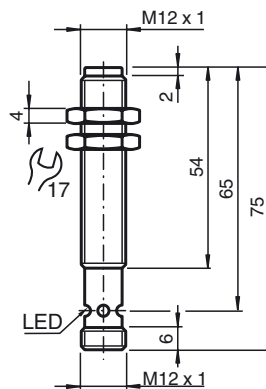
Wire colors in accordance with EN 60947-5-2

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

**Accessories**

- V1-W-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable
- V1-G-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable
- AB-12**  
Mounting aid

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	DC	NO
Rated operating distance	s <sub>n</sub>	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	s <sub>a</sub>	0 ... 1.62 mm
Actuating element		Ferrous targets
Reduction factor r <sub>Al</sub>		0
Reduction factor r <sub>Cu</sub>		0
Reduction factor r <sub>304</sub>		0.75
Reduction factor r <sub>St37</sub>		1
Reduction factor r <sub>Brass</sub>		0

**Nominal ratings**

Operating voltage	U <sub>B</sub>	6 ... 30 V DC
Switching frequency	f	50 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		no
Voltage drop	U <sub>d</sub>	≤ 5.5 V DC
Operating current	I <sub>L</sub>	2 ... 100 mA
Off-state current	I <sub>r</sub>	≤ 1 mA

**Indicators/operating means**

Operating display		4-way LED Yellow: output
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**Standard conformity**

Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
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**Ambient conditions**

Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
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**Mechanical specifications**

Connection type		Device connector M12 x 1 , 4-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
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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