



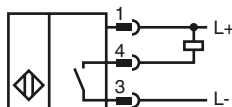
**Model Number**

NMB1,5-8GM50-E0-C-FE-V1

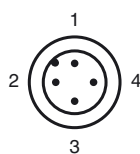
**Features**

- Stainless steel sensing face
- 1.5 mm flush
- 3-wire DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets

**Connection**



**Pinout**



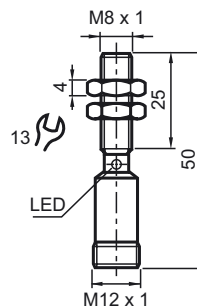
Wire colors in accordance with EN 60947-5-2

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

**Accessories**

- BF 8**  
Mounting flange, 8 mm
- 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

**Dimensions**



**Technical Data**

General specifications			
Switching element function		NPN	NO
Rated operating distance	$s_n$	1.5 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 1.215 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 $r_{St37}$		1	
Reduction factor $r_{Brass}$		0	

Nominal ratings			
Operating voltage	$U_B$	10 ... 30 V DC	
Switching frequency	$f$	0 ... 5 Hz	
Hysteresis	$H$	5 ... 15 typ. 10 %	
Reverse polarity protection		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	$U_d$	$\leq 2$ V	
Operating current	$I_L$	$\leq 100$ mA	
Current consumption		$\leq 10$ mA	
Off-state current	$I_r$	$\leq 10$ $\mu$ A	
Switching state indication		LED, red	
Mag. Field strength, AC fields		250 mT	
Mag. Field strength, DC fields		250 mT	

Ambient conditions	
Ambient temperature	-25 ... 75 °C (-13 ... 167 °F)

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

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 $\leq 36$ V do not bear a CCC marking because they do not require approval.

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