



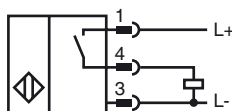
### Model Number

NMB3-8GM50-E2-C-V1

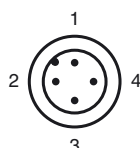
### Features

- 3 mm flush
- Stainless steel sensing face
- Increased operating distance
- Weld Immune

### 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

#### EXG-08

Quick mounting bracket with dead stop

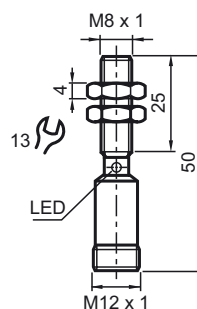
#### V1-G-OR2M-POC

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		PNP NO contact
Rated operating distance	$s_n$	3 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 2.43 mm
Reduction factor $r_{Al}$		0.3
Reduction factor $r_{Cu}$		0.2
Reduction factor $r_{304}$		0.7
Reduction factor $r_{317}$		1

#### 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	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 10 $\mu$ A typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ mA
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)
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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

#### 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.