



### Model Number

NMB6-F104M-E2-C-NFE-200MM-V1

### Features

- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- Weld field immune
- Weld slag resistant coating
- 200 mm M12 male cordset with burn-proof POC jacket
- Power and output LEDs

## Technical Data

### General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	6 mm
Installation		flush
Assured operating distance	$s_a$	0 ... 4.86 mm
Actuating element		Nonferrous targets
Reduction factor $r_{Al}$		1
Reduction factor $r_{Cu}$		1.1
Reduction factor $r_{304}$		0
Reduction factor $r_{St37}$		0
Reduction factor $r_{Brass}$		0.9
Output type		3-wire

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	2 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 100$ mA
Current consumption		$\leq 22$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A

### Indicators/operating means

Operation indicator	Dual LED	Green: power 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	-25 ... 70 °C (-13 ... 158 °F)
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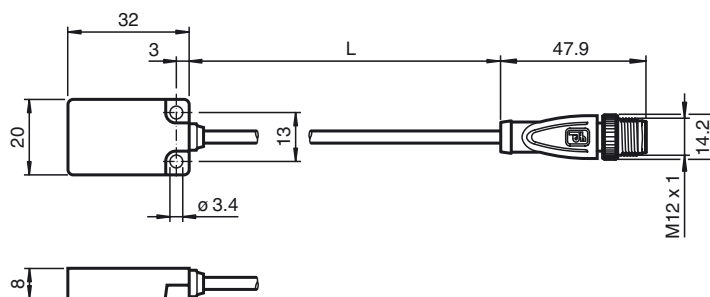
### Mechanical specifications

Connection type	Cable connector M12 x 1, 4-pin with orange POC cable 200 mm
Core cross-section	0.34 mm <sup>2</sup>
Housing material	Xylan coated, Stainless steel 1.4305 / AISI 303
Degree of protection	IP67

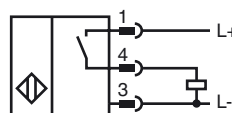
### Approvals and certificates

CCC approval	CCC approval / marking not required for products rated $\leq 36$ V
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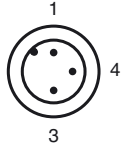
## Dimensions



## Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1		BN	(brown)
3		BU	(blue)
4		BK	(black)