



Model Number

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

Features

- Sensing range 6 mm
- Ferrous 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		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.6 ... 0.8
Reduction factor r_{Si37}		1
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	≤ 2 V
Operating current	I_L	≤ 100 mA
Current consumption		≤ 22 mA
Off-state current	I_r	≤ 10 μ 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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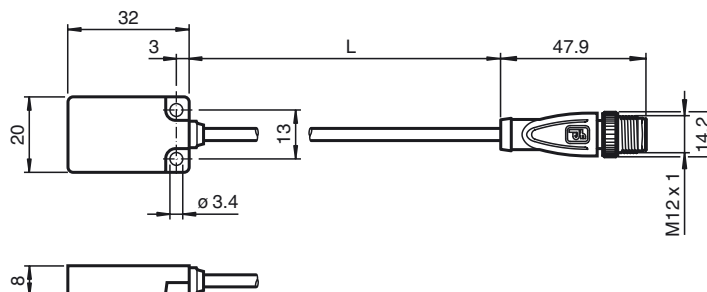
Mechanical specifications

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

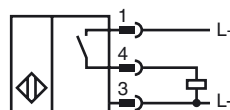
Approvals and certificates

CCC approval	CCC approval / marking not required for products rated ≤ 36 V
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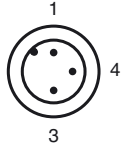
Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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