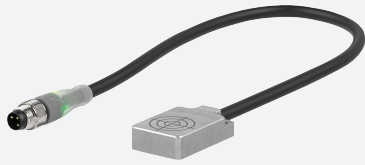


# Inductive sensor

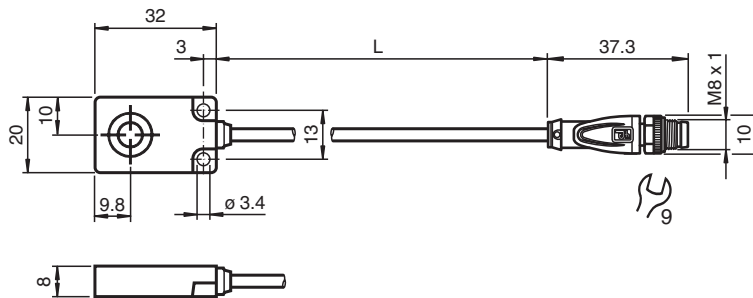
## NMB6-F104M-E2-NFE-200MM-V3



- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- 200 mm M8 male cordset with PUR jacket
- Power and output LEDs



### Dimensions



### 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

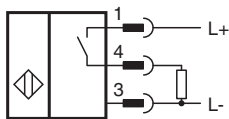
Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	20 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %

Release date: 2025-06-10 Date of issue: 2025-06-10 Filename: 915199\_eng.pdf

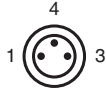
## Technical Data

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
<b>Indicators/operating means</b>		
Operation indicator		Dual LED Green: power Yellow: output
<b>Standard conformity</b>		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>		
UL approval		cULus Listed Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 100 mA
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		fixed cable with plug
Housing material		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Threading		M8 x 1
Tightening torque		$\leq 0.4$ Nm
Number of pins		3
Cable		
Cable diameter		4.3 mm $\pm$ 0.1 mm
Bending radius		> 10 x cable diameter
Material		PUR
Color		black
Number of cores		3
Core cross section		0.34 mm <sup>2</sup>
Length	L	200 mm
Dimensions		
Height		8 mm
Width		20 mm
Length		32 mm

## Connection



## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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