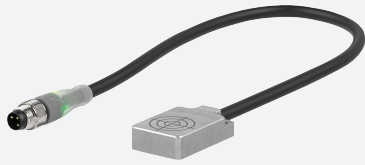


Inductive sensor

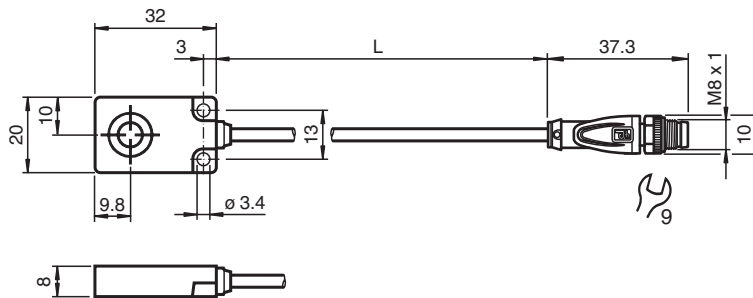
NMB6-F104M-E3-FE-200MM-V3



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



Dimensions



Technical Data

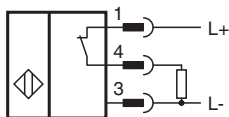
General specifications		
Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s_n	6 mm
Installation		flush
Assured operating distance	s_a	0 ... 4.86 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.6 ... 0.8
Reduction factor r_{St37}		1
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 %
Reverse polarity protection		reverse polarity protected

Release date: 2025-06-10 Date of issue: 2025-06-10 Filename: 915198_eng.pdf

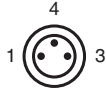
Technical Data

Short-circuit protection		yes
Voltage drop	U_d	$\leq 2 \text{ V}$
Operating current	I_L	$\leq 100 \text{ mA}$
Current consumption		$\leq 15 \text{ mA}$
Off-state current	I_r	$\leq 10 \mu\text{A}$
Indicators/operating means		
Operation indicator		Dual LED Green: power Yellow: output
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
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 $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		$-25 \dots 70 \text{ }^\circ\text{C}$ ($-13 \dots 158 \text{ }^\circ\text{F}$)
Mechanical specifications		
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		$\leq 0.4 \text{ Nm}$
Number of pins		3
Cable		
Cable diameter		$4.3 \text{ mm} \pm 0.1 \text{ mm}$
Bending radius		$> 10 \times \text{cable diameter}$
Material		PUR
Color		black
Number of cores		3
Core cross section		0.34 mm^2
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)