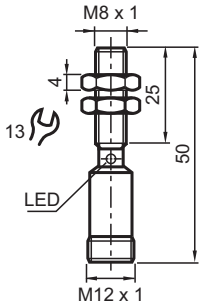


Inductive sensor

NMB1,5-8GM50-E2-C-FE-V1

- Stainless steel sensing face
- 1.5 mm flush
- 3-wire DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets

Dimensions



Technical Data

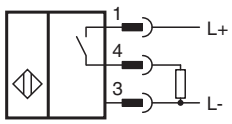
General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0

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Technical Data

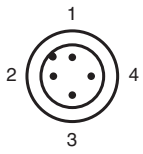
Reduction factor r_{304}		0.6
Reduction factor r_{St37}		1
Reduction factor r_{Brass}		0
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 5 Hz
Hysteresis	H	5 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 100 mA
Current consumption		≤ 10 mA
Off-state current	I_r	≤ 10 µA
Switching state indicator		LED, red
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT
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
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 75 °C (-13 ... 167 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		stainless steel 1.4305 / AISI 303, black PTFE coated
Sensing face		stainless steel 1.4305 / AISI 303, black PTFE coated
Degree of protection		IP67
Dimensions		
Length		40 mm
Diameter		8 mm

Connection



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Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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