

Inductive sensor

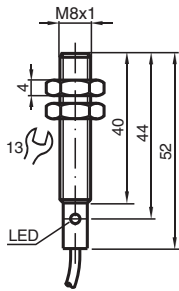
NMB1,5-8GM50-E0-FE



- Stainless steel sensing face
- Sensing range 1.5 mm
- 3-wire DC
- Ferrous targets



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		NPN
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
Reduction factor r_{304}		0.6
Reduction factor r_{St37}		1
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	80 Hz
Hysteresis	H	3 ... 15 typ. 5 %

Release date: 2025-06-06 Date of issue: 2025-06-06 Filename: 906202_eng.pdf

Technical Data

Reverse polarity protection		yes
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		LED red: 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		cable
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		3 mm - 0.2 mm
Bending radius		$> 12 \times$ cable diameter
Material		PUR
Color		black
Number of cores		3
Core cross section		0.14 mm^2
Length	L	2 m
Dimensions		
Length		40 mm
Diameter		8 mm

Connection

