



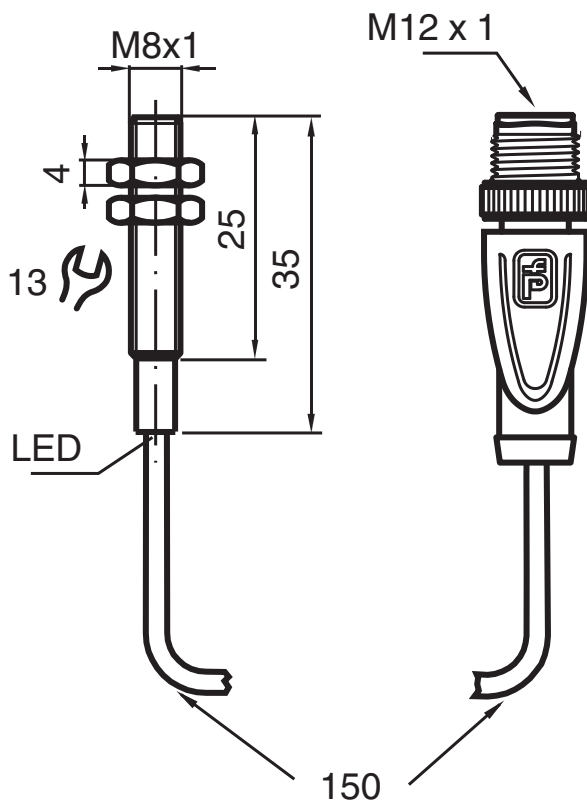
## Inductive sensor

NMB1,5-8GM35-E2-C-FE-150MM-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

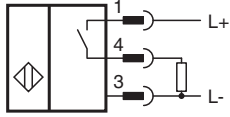
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	1.5 mm
Installation		flush in mild steel
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.215 mm

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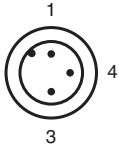
## Technical Data

Actuating element		Ferrous targets
Reduction factor $r_{Al}$		0
Reduction factor $r_{Cu}$		0
Reduction factor $r_{304}$		0.4 - 0.7
Reduction factor $r_{St37}$		1
Reduction factor $r_{Brass}$		0
Output type		3-wire
<b>Nominal ratings</b>		
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	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 100 mA
Current consumption		$\leq 10$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A
Switching state indicator		LED, red
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<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 ... 75 °C (-13 ... 167 °F)
<b>Mechanical specifications</b>		
Connection type		fixed cable with plug
Housing material		Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face		Xylan coated - Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		3
<b>Cable</b>		
Cable diameter		3 mm $\pm$ 0.25 mm
Material		PVC
Color		yellow
Number of cores		3
Core cross section		0.14 mm <sup>2</sup>
Length	$L$	150 mm
<b>Dimensions</b>		
Length		35 mm
Diameter		8 mm

## Connection



## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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