

## Inductive sensor

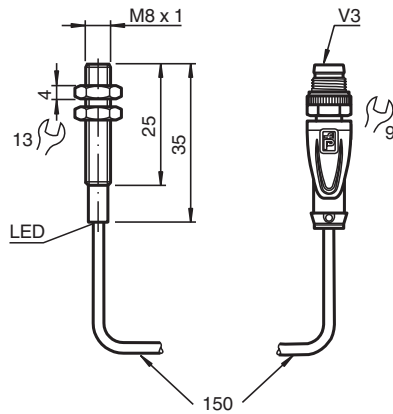
NMB1,5-8GM35-E0-FE-150MM-V3



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



### Dimensions



### Technical Data

#### General specifications

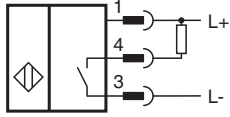
Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.215 mm

Release date: 2025-06-06 Date of issue: 2025-06-06 Filename: 904812\_eng.pdf

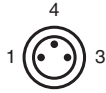
## Technical Data

Actuating element		Ferrous targets
Reduction factor $r_{Al}$		0
Reduction factor $r_{Cu}$		0
Reduction factor $r_{304}$		0.6
Reduction factor $r_{317}$		1
Output type		3-wire
<b>Nominal ratings</b>		
Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	80 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 100$ mA
Current consumption		$\leq 15$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A
<b>Indicators/operating means</b>		
Operation indicator		LED red: 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
Sensing face		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
<b>Cable</b>		
Cable diameter		3 mm - 0.2 mm
Bending radius		$> 12$ x cable diameter
Material		PUR
Color		black
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)