

# Inductive sensor

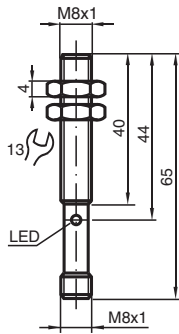
## NMB3-8GM65-E2-V3



- Stainless steel sensing face
- 3 mm flush
- Increased operating distance



### Dimensions



### Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	3 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 2.43 mm
Reduction factor $r_{Al}$		0.3
Reduction factor $r_{Cu}$		0.2
Reduction factor $r_{304}$		0.8
Reduction factor $r_{St37}$		1
Output type		3-wire
Nominal ratings		
Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	0 ... 360 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection		yes

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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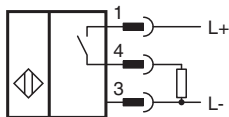
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## Technical Data

Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2\text{ V}$
Operating current	$I_L$	$\leq 100\text{ mA}$
Current consumption		$\leq 10\text{ mA}$
Off-state current	$I_r$	$\leq 10\text{ }\mu\text{A}$
No-load supply current	$I_0$	$\leq 15\text{ mA}$
<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, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36\text{ V}$
<b>Ambient conditions</b>		
Ambient temperature		0 ... 75 °C (32 ... 167 °F)
<b>Mechanical specifications</b>		
Connection type		Connector plug M8 x 1 , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
<b>Dimensions</b>		
Length		65 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)