



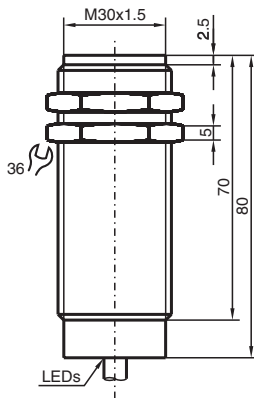
## Inductive sensor

### NMB8-30GM80-US-FE-5M

- Stainless steel sensing face
- Sensing range 8 mm
- 2-wire AC/DC
- Ferrous targets
- 5 meter connection cable



## Dimensions



## Technical Data

### General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	$s_n$	8 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	$s_a$	0 ... 6.48 mm
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		2-wire
<b>Nominal ratings</b>		
Switching frequency	$f$	10 Hz
Hysteresis	$H$	3 ... 15 typ. 5 %

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## Technical Data

Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 7$ V
Rated operating current	$I_e$	8 ... 200 mA AC/DC
Off-state current	$I_r$	$\leq 1.3$ mA
Error indicator		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
<b>Indicators/operating means</b>		
Operation indicator		Dual LED Green: power Yellow: output
<b>Electrical specifications</b>		
Rated operating voltage	$U_e$	20 ... 250 V AC/DC
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cable
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
<b>Cable</b>		
Wire end ferrules		yes
Cable diameter		6.2 mm $\pm$ 0.2 mm
Bending radius		> 10 x cable diameter
Material		PUR
Color		black
Number of cores		3
Core cross section		0.5 mm <sup>2</sup>
Length	L	5 m
<b>Dimensions</b>		
Length		80 mm
Diameter		30 mm

## Connection

