

# Inductive sensor

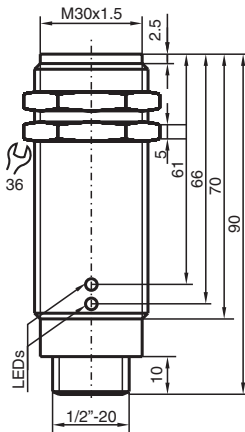
## NMB8-30GM85-US-FE-V12



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



### 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

#### Nominal ratings

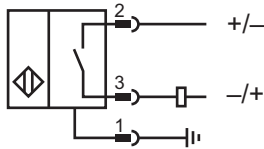
Switching frequency	f	10 Hz
Hysteresis	H	3 ... 15 typ. 5 %

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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>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
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		Connector plug 1/2"-20 UN , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

## Connection





## Connection Assignment



### Wire colors

1	GN	(green)
2	RD/BK	(red/black)
3	RD/WH	(red/white)

**Accessories**

	<b>V12-W-YE2M-PVC</b>	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
	<b>AB-30</b>	Mounting aid