



### Model Number

**NMB10-18GM55-E0**

### Features

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

## Technical Data

### General specifications

Switching function	Normally open (NO)
Output type	NPN
Rated operating distance	$s_n$ 10 mm
Installation	flush (Requirements: see drawing below)
Output polarity	DC
Assured operating distance	$s_a$ 0 ... 8.1 mm
Actuating element	Ferrous and nonferrous targets
Reduction factor $r_{Al}$	0.4
Reduction factor $r_{Cu}$	0.25
Reduction factor $r_{304}$	0.85
Reduction factor $r_{St37}$	1
Output type	3-wire

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	0 ... 240 Hz
Hysteresis	$H$	3 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 200$ mA
Off-state current	$I_r$	10 $\mu$ A
No-load supply current	$I_o$	$\leq 10$ mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

### Functional safety related parameters

MTTF <sub>d</sub>	847 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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### Mechanical specifications

Connection type	cable PUR , 2 m
Core cross-section	0.5 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP69K

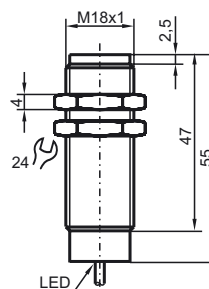
### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

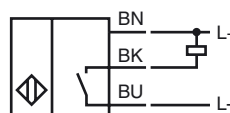
### Approvals and certificates

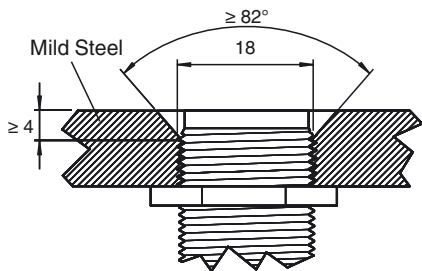
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V

## Dimensions



## Electrical Connection





Sensor face is flush with mounting surface.

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