

# Inductive sensor

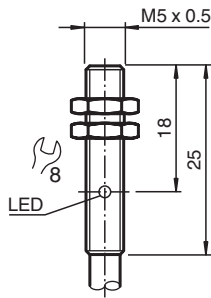
## NBB0,8-5GM25-E3



- Basic series
- 0.8 mm flush



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	$s_n$	0.8 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 0.648 mm
Reduction factor $r_{Al}$		0.45
Reduction factor $r_{Cu}$		0.4
Reduction factor $r_{304}$		0.77
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ mA
Switching state indicator		LED, yellow

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## Technical Data

### Compliance with standards and directives

Standard conformity

Standards EN IEC 60947-5-2

### Approvals and certificates

UL approval cULus Listed, General Purpose

CCC approval CCC approval / marking not required for products rated  $\leq 36$  V

### Ambient conditions

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

### Mechanical specifications

Connection type cable

Housing material Stainless steel 1.4305 / AISI 303

Sensing face PC

Degree of protection IP67

#### Cable

Wire end ferrules yes

Cable diameter 3.5 mm  $\pm$  0.2 mm

Bending radius > 10 x cable diameter

Material PVC

Color grey

Number of cores 3

Core cross section 0.14 mm<sup>2</sup>

Length L 2 m

#### Dimensions

Length 25 mm

Diameter 5 mm

## Connection Assignment

