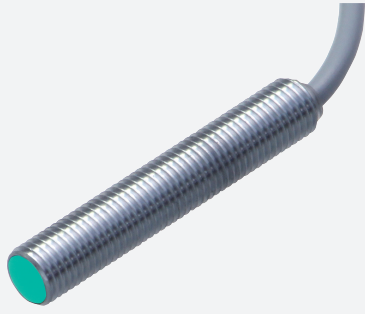


# Inductive sensor

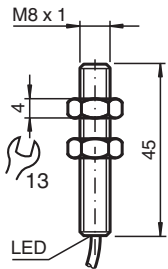
## NEB4-8GM45-E2



- 4 mm quasi flush
- Increased operating distance



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	4 mm
Installation		quasi flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 3.24 mm
Reduction factor $r_{Al}$		0.25
Reduction factor $r_{Cu}$		0.22
Reduction factor $r_{304}$		0.65
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 500 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2$ 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

#### Functional safety related parameters

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## Technical Data

Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %
<b>Compliance with standards and directives</b>	
Standard conformity	
Standards	EN IEC 60947-5-2
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>	
Connection type	cable
Housing material	chromium plated brass
Sensing face	PBT
Degree of protection	IP67
<b>Cable</b>	
Material	PUR
Core cross section	0.14 mm <sup>2</sup>
Length	L 2 m
<b>Dimensions</b>	
Length	45 mm
Diameter	8 mm

## Connection

