

# Inductive Proximity Switches

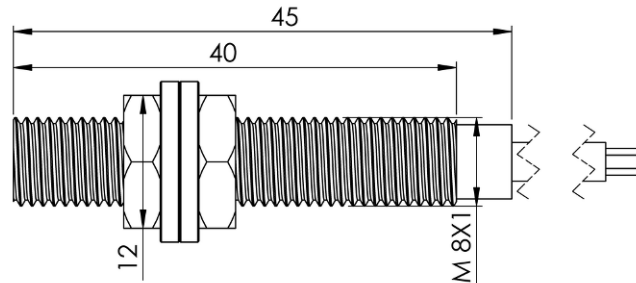
## Induktiver Näherungsschalter

# MLM8-3001



### Dimensions:

### Abmessungen:



| Electrical Data:              | Elektrische Daten:      |                    |
|-------------------------------|-------------------------|--------------------|
| Operating voltage             | Betriebsspannung        | 10-30V DC          |
| Operational current           | Betriebsstrom           | $\leq 15\text{mA}$ |
| Control output current        | Schaltstrom             | max. 150 mA        |
| Operating frequency           | Betriebsfrequenz        | 500Hz              |
| Operating condition indicator | Betriebszustandsanzeige | LED                |

| General Data:                    | Allgemeine Daten:                   |                                                               |
|----------------------------------|-------------------------------------|---------------------------------------------------------------|
| Connection Cable with open wires | Verbindungskabel mit offenen Litzen | L~1.5 m; Ø3.8 mm; 3x0.14mm <sup>2</sup> ; 12 strands per wire |
| Rated Operating distance *       | Nennerkennungs-Entfernung *         | 1.0mm $\pm$ 20%                                               |
| Assured operating distance *     | Arbeitsbereich Entfernung *         | 0-0.7mm                                                       |
| Mounting <sup>1)</sup>           | Montage <sup>2)</sup>               | flush/ bündig                                                 |
| Temperature range                | Temperaturbereich                   | -25°C - + 75°C                                                |
| Humidity working range           | Arbeitsbereich Feuchte              | 35 – 95% RH                                                   |
| Housing material                 | Gehäusematerial                     | Brass, nickel plated Messing, vernickelt                      |
| IP Class                         | IP Klasse                           | IP67                                                          |
| Conformity                       | Konformität                         | CE                                                            |

\* 9x9x1mm iron

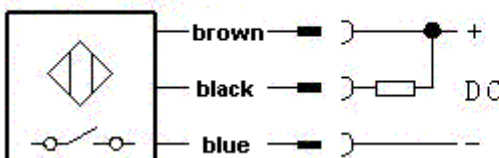
\* 9x9x1mm Eisen

1) active sensor element in front of carrier material (metal cabinet)

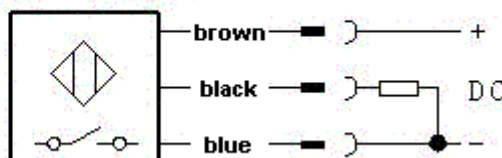
2) aktive Fläche des Sensorkopfes vor dem Trägermaterial (Metallgehäuse)

| Product Versions | Produkt Versionen |                              |           |
|------------------|-------------------|------------------------------|-----------|
| MLM8-3001NA      | NPN               | NO (closing type/ Schließer) | Diagram 1 |
| MLM8-3001NB      | NPN               | NC (opening type/ Öffner)    | Diagram 1 |
| MLM8-3001PA      | PNP               | NO (closing type/ Schließer) | Diagram 2 |
| MLM8-3001PB      | PNP               | NC (opening type/ Öffner)    | Diagram 2 |

### 1 : NPN



### 2 : PNP



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Technische Änderungen vorbehalten