



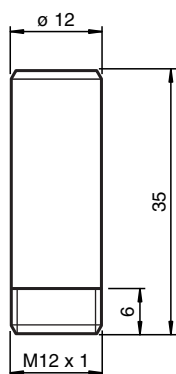
## Inductive sensor

NCB1,5-12M35-N0-V1-Y125502

■ 1.5 mm flush



## Dimensions



## Technical Data

### General specifications

|                            |       |                      |
|----------------------------|-------|----------------------|
| Switching function         |       | Normally closed (NC) |
| Output type                |       | NAMUR                |
| Rated operating distance   | $s_n$ | 1.5 mm               |
| Installation               |       | flush                |
| Assured operating distance | $s_a$ | 0 ... 1.21 mm        |
| Reduction factor $r_{AI}$  |       | 0.4                  |
| Reduction factor $r_{Cu}$  |       | 0.3                  |
| Reduction factor $r_{304}$ |       | 0.85                 |
| Output type                |       | 2-wire               |

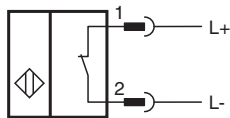
### Nominal ratings

|                     |       |               |
|---------------------|-------|---------------|
| Nominal voltage     | $U_o$ | 8 V           |
| Switching frequency | $f$   | 0 ... 2000 Hz |

Technical Data

|                                          |  |                                         |
|------------------------------------------|--|-----------------------------------------|
| Current consumption                      |  |                                         |
| Measuring plate not detected             |  | min. 3 mA                               |
| Measuring plate detected                 |  | ≤ 1 mA                                  |
| Compliance with standards and directives |  |                                         |
| Standard conformity                      |  |                                         |
| NAMUR                                    |  | EN 60947-5-6:2000<br>IEC 60947-5-6:1999 |
| Standards                                |  | EN 60947-5-2:2007<br>IEC 60947-5-2:2007 |
| Approvals and certificates               |  |                                         |
| UL approval                              |  | cULus Listed, General Purpose           |
| CSA approval                             |  | cCSAus Listed, General Purpose          |
| Ambient conditions                       |  |                                         |
| Ambient temperature                      |  | -25 ... 100 °C (-13 ... 212 °F)         |
| Mechanical specifications                |  |                                         |
| Connection type                          |  | Connector plug M12 x 1 , 4-pin          |
| Housing material                         |  | Stainless steel 1.4305 / AISI 303       |
| Sensing face                             |  | PBT                                     |
| Degree of protection                     |  | IP67                                    |
| General information                      |  |                                         |
| Use in the hazardous area                |  | see instruction manuals                 |

Connection



Wire colors in accordance with EN 60947-5-6

- |   |  |    |         |
|---|--|----|---------|
| 1 |  | BN | (brown) |
| 2 |  | BU | (blue)  |