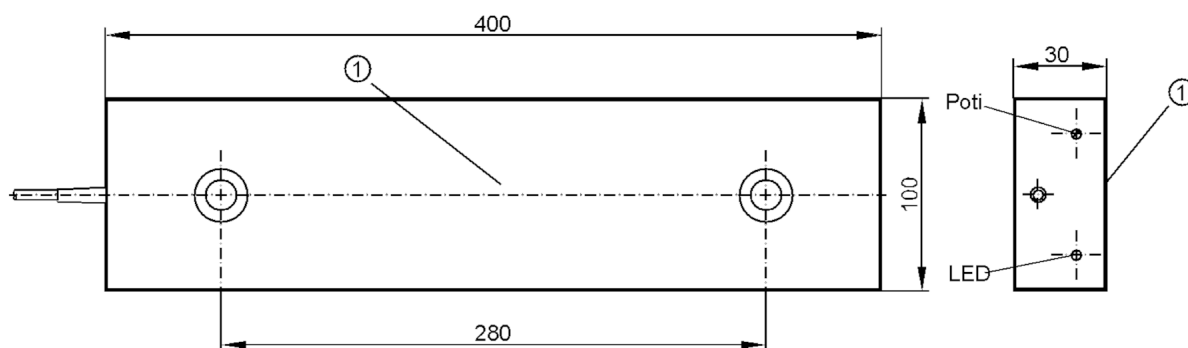


## Inductive sensor

SIL-2100-ABOW

Article no longer available - archive entry



1 Sensing face



## Product characteristics

|                 |      |                |
|-----------------|------|----------------|
| Output function |      | normally open  |
| Sensing range   | [mm] | 25...100       |
| Housing         |      | rectangular    |
| Dimensions      | [mm] | 400 x 100 x 30 |

## Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Frequency AC                | [Hz] | 47...63     |
| Operating voltage           | [V]  | 90...250 AC |
| Protection class            |      | II          |
| Reverse polarity protection |      | no          |

## Outputs

|                                                 |      |                        |
|-------------------------------------------------|------|------------------------|
| Output function                                 |      | normally open          |
| Max. voltage drop switching output AC           | [V]  | 11                     |
| Minimum load current                            | [mA] | 15                     |
| Max. leakage current                            | [mA] | 6                      |
| Permanent current rating of switching output AC | [mA] | 200; (250 (...50 °C))  |
| Short-time current rating of switching output   | [mA] | 1500; (10 ms / 0,5 Hz) |
| Switching frequency AC                          | [Hz] | 2                      |
| Short-circuit proof                             |      | no                     |

**Inductive sensor**

SIL-2100-ABOW

|                               |                                                                               |                     |
|-------------------------------|-------------------------------------------------------------------------------|---------------------|
| Overload protection           | no                                                                            |                     |
| Detection zone                |                                                                               |                     |
| Sensing range                 | [mm]                                                                          | 25...100            |
| Sensing range adjustable      |                                                                               | yes                 |
| Factory setting sensing range | [mm]                                                                          | 100                 |
| Real sensing range Sr         | [mm]                                                                          | 100 ± 10 %          |
| Accuracy / deviations         |                                                                               |                     |
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2   |                     |
| Hysteresis                    | [% of Sr]                                                                     | < 15                |
| Switch point drift            | [% of Sr]                                                                     | -15...15            |
| Operating conditions          |                                                                               |                     |
| Ambient temperature           | [°C]                                                                          | -20...70            |
| Protection                    |                                                                               | IP 65               |
| Tests / approvals             |                                                                               |                     |
| EMC                           | EN 60947-5-2                                                                  |                     |
| Mechanical data               |                                                                               |                     |
| Housing                       |                                                                               | rectangular         |
| Mounting                      |                                                                               | non-flush mountable |
| Dimensions                    | [mm]                                                                          | 400 x 100 x 30      |
| Materials                     |                                                                               | PVC                 |
| Displays / operating elements |                                                                               |                     |
| Display                       | switching status                                                              | 1 x LED, yellow     |
| Electrical connection         |                                                                               |                     |
| Required protection           | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting                      |                     |
| Remarks                       |                                                                               |                     |
| Remarks                       | Recommendation: Check the safe functioning of the unit after a short circuit. |                     |
| Pack quantity                 | 1 pcs.                                                                        |                     |

# I42001



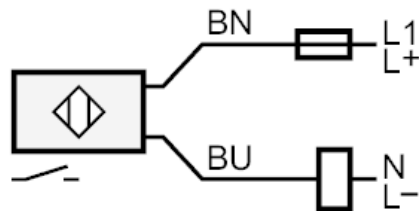
## Inductive sensor

SIL-2100-ABOW

### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



Note miniature fuse to IEC60127-2 sheet 1  $\leq 2$  A fast acting  
Core colours :

BN =

brown

BU =

blue