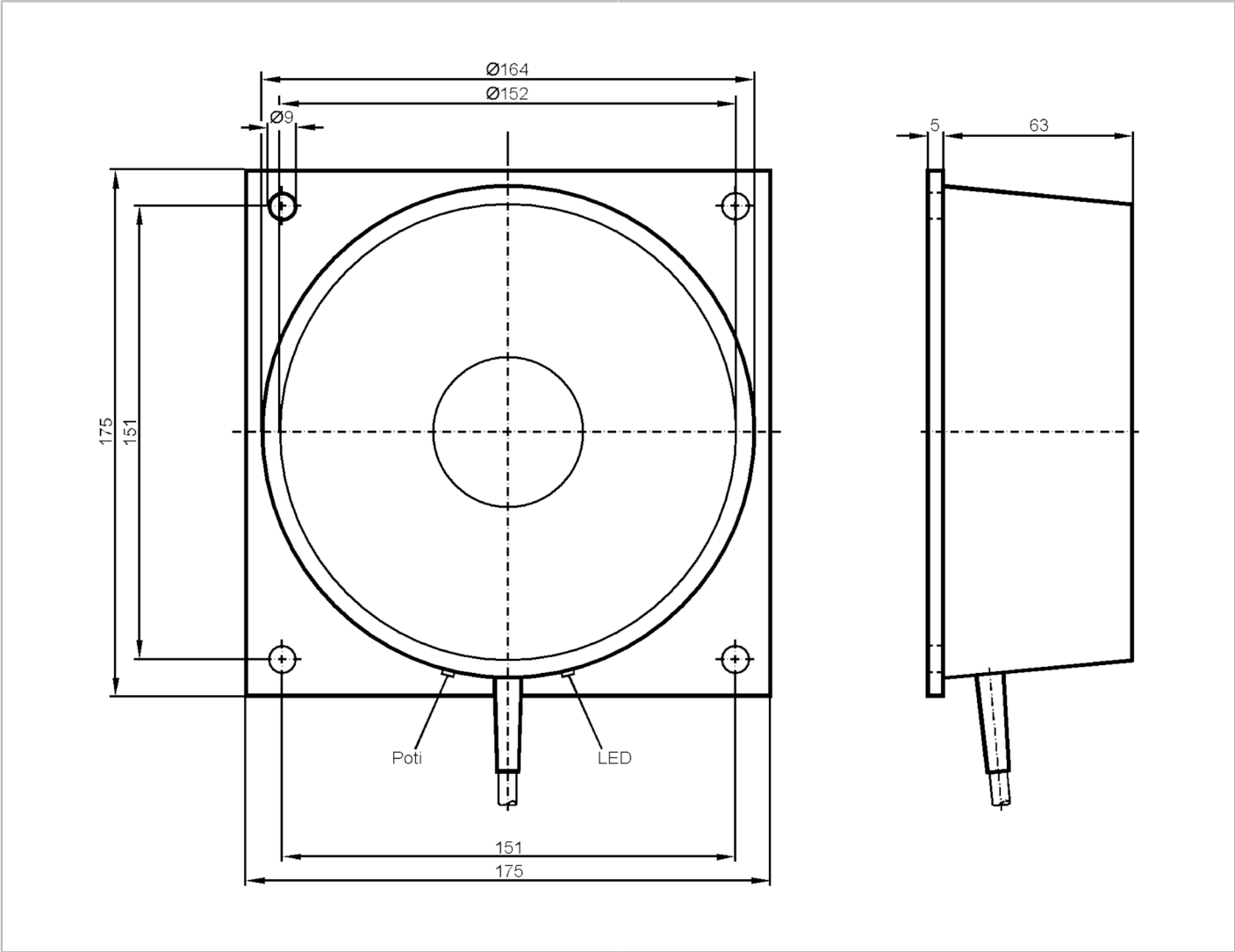




Article no longer available - archive entry



| Product characteristics               |      |                |
|---------------------------------------|------|----------------|
| Output function                       |      | normally open  |
| Sensing range                         | [mm] | 30...120       |
| Housing                               |      | tubular        |
| Dimensions                            | [mm] | Ø 164 / L = 68 |
| 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             |



## Inductive area sensor

SIY-2120-ABOW MET.PLATE B

|                                                 |      |                        |
|-------------------------------------------------|------|------------------------|
| 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] | 3                      |
| Short-circuit proof                             |      | no                     |
| Overload protection                             |      | no                     |

### Monitoring range

|                               |      |            |
|-------------------------------|------|------------|
| Sensing range                 | [mm] | 30...120   |
| Sensing range adjustable      |      | yes        |
| Factory setting sensing range | [mm] | 120        |
| Real sensing range Sr         | [mm] | 120 ± 10 % |

### Accuracy / deviations

|                    |           |                                                                            |
|--------------------|-----------|----------------------------------------------------------------------------|
| Correction factor  |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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

|                  |      |                                                 |
|------------------|------|-------------------------------------------------|
| Weight           | [g]  | 0.001                                           |
| Housing          |      | tubular                                         |
| Mounting         |      | non-flush mountable                             |
| Type of mounting |      | with mounting plate                             |
| Dimensions       | [mm] | Ø 164 / L = 68                                  |
| Material         |      | housing: PBT; Mounting plate: aluminum anodized |

### 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 unit for reliable function after a short circuit. |
| Pack quantity | 1 pcs.                                                                      |

# I22004



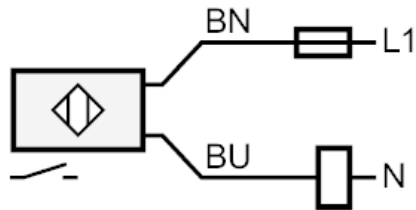
## Inductive area sensor

SIY-2120-ABOW MET.PLATE B

### 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 colors :

BN =

brown

BU =

blue