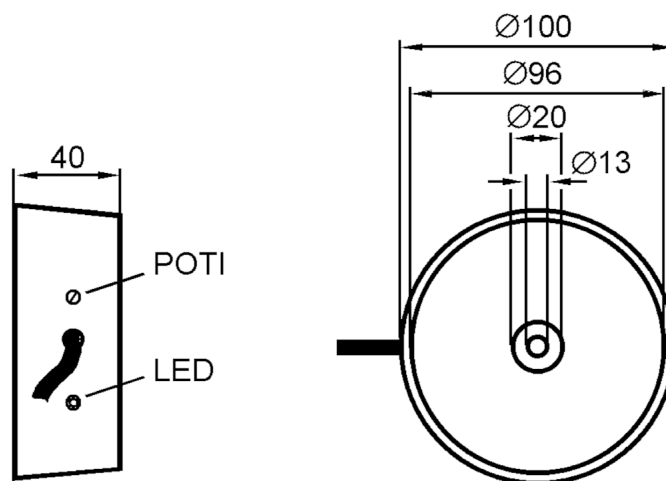




## Inductive area sensor

SIT-3070-ANKG



## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 15; (24 V) |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |

## Outputs

|                                                 |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | NPN           |
| Output function                                 |      | normally open |
| Max. voltage drop switching output DC           | [V]  | 2.5           |
| Permanent current rating of switching output DC | [mA] | 250           |
| Switching frequency DC                          | [Hz] | 5             |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

## Detection zone

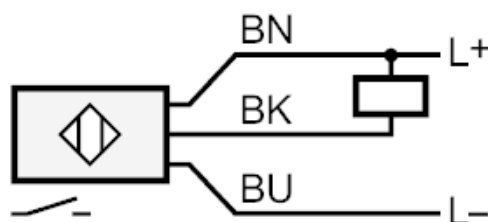
|                               |      |           |
|-------------------------------|------|-----------|
| Sensing range                 | [mm] | 20...70   |
| Sensing range adjustable      |      | yes       |
| Factory setting sensing range | [mm] | 70        |
| Real sensing range Sr         | [mm] | 70 ± 10 % |



## Inductive area sensor

SIT-3070-ANKG

| Accuracy / deviations         |                                                                             |                 |
|-------------------------------|-----------------------------------------------------------------------------|-----------------|
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3 |                 |
| 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]                                                                         | 486             |
| Housing                       | cylindrical                                                                 |                 |
| Mounting                      | non-flush mountable                                                         |                 |
| Dimensions                    | [mm]                                                                        | Ø 100           |
| Materials                     | PBT                                                                         |                 |
| Displays / operating elements |                                                                             |                 |
| Display                       | switching status                                                            | 1 x LED, yellow |
| Remarks                       |                                                                             |                 |
| Pack quantity                 | 1 pcs.                                                                      |                 |
| Electrical connection         |                                                                             |                 |
| Cable: 2 m, PVC; 3 x 0.5 mm²  |                                                                             |                 |
| Connection                    |                                                                             |                 |



Core colours :

BK = black  
 BN = brown  
 BU = blue