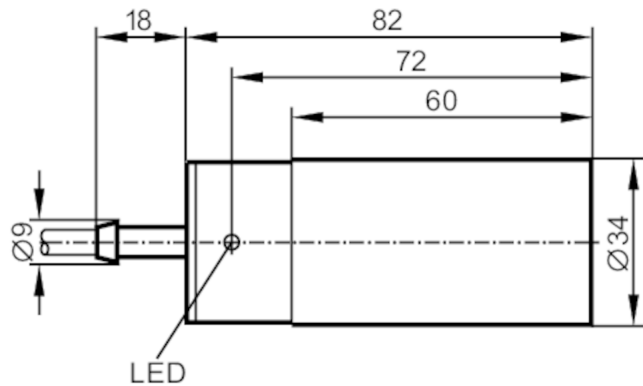




Inductive sensor

IB-3027SFPKG      RT



| Product characteristics                         |      |                                                                             |
|-------------------------------------------------|------|-----------------------------------------------------------------------------|
| Electrical design                               |      | PNP                                                                         |
| Output function                                 |      | normally open / normally closed; (selectable)                               |
| Sensing range                                   | [mm] | 27                                                                          |
| Housing                                         |      | cylindrical                                                                 |
| Dimensions                                      | [mm] | Ø 34 / L = 82                                                               |
| Electrical data                                 |      |                                                                             |
| Operating voltage                               | [V]  | 10...36 DC                                                                  |
| Current consumption                             | [mA] | 15; (24 V)                                                                  |
| Protection class                                |      | II                                                                          |
| Reverse polarity protection                     |      | yes                                                                         |
| Outputs                                         |      |                                                                             |
| Electrical design                               |      | PNP                                                                         |
| Output function                                 |      | normally open / normally closed; (selectable)                               |
| Max. voltage drop switching output DC           | [V]  | 3                                                                           |
| Permanent current rating of switching output DC | [mA] | 250                                                                         |
| Short-time current rating of switching output   | [mA] | 400                                                                         |
| Switching frequency DC                          | [Hz] | 20                                                                          |
| Short-circuit protection                        |      | yes                                                                         |
| Type of short-circuit protection                |      | pulsed                                                                      |
| Overload protection                             |      | yes                                                                         |
| Detection zone                                  |      |                                                                             |
| Sensing range                                   | [mm] | 27                                                                          |
| Real sensing range Sr                           | [mm] | 27 ± 10 %                                                                   |
| Operating distance                              | [mm] | 0...21.87                                                                   |
| Accuracy / deviations                           |      |                                                                             |
| Correction factor                               |      | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |

IB5163



Inductive sensor

IB-3027SFPKG      RT

|                    |       |          |
|--------------------|-------|----------|
| Hysteresis         | [X01] | 1...15   |
| Switch point drift | [X01] | -10...10 |

Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -30...50 |
| Protection          |      | IP 67    |

Tests / approvals

|      |              |         |
|------|--------------|---------|
| EMC  | EN 60947-5-2 |         |
|      | EN 55011     | class B |
| MTTF | [ANN]        | 1194    |

Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Weight     | [g]  | 257.5               |
| Housing    |      | cylindrical         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | Ø 34 / L = 82       |
| Materials  |      | PBT                 |

Displays / operating elements

|         |                  |              |
|---------|------------------|--------------|
| Display | switching status | 1 x LED, red |
|---------|------------------|--------------|

Аксессуары

|                |                     |
|----------------|---------------------|
| Items supplied | кріпильні хомути: 1 |
|----------------|---------------------|

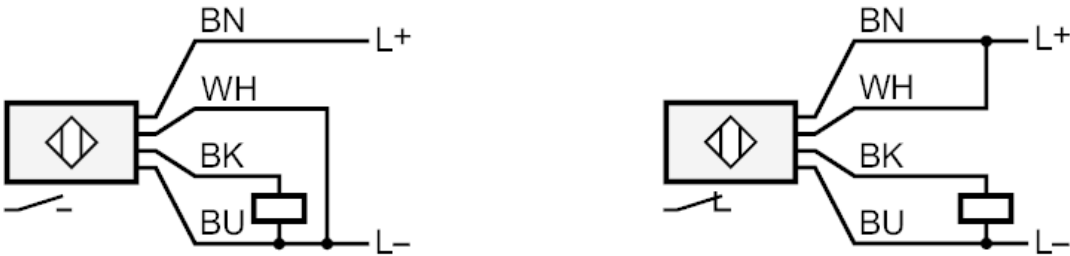
Remarks

|               |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| Remarks       | Reprogramming allows the output of the switch to be monitored in the monitor mode. |
|               | Note:                                                                              |
|               | The switch holds no approval as a fail-safe switch.                                |
| Pack quantity | 1 pcs.                                                                             |

Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm<sup>2</sup>

Connection



Core colours :  
BK = black  
BN = brown  
BU = blue  
WH = white