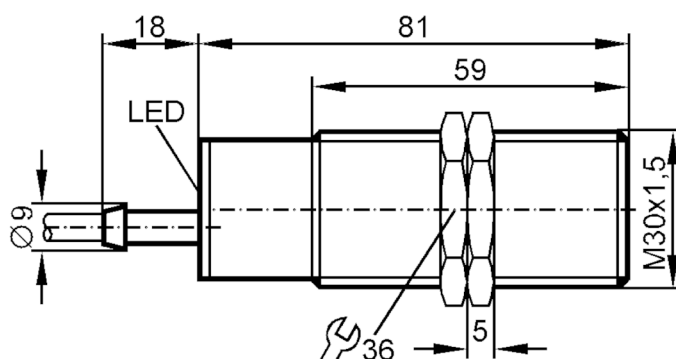


Inductive sensor

IIA2010-BBOW/V4A/ 6m

Article no longer available - archive entry



Product characteristics

| | | |
|-----------------|------|-----------------|
| Output function | | normally closed |
| Sensing range | [mm] | 10 |
| Housing | | Threaded type |
| Dimensions | [mm] | M30 x 1.5 |

Electrical data

| | | |
|-----------------------------|------|-------------|
| Frequency AC | [Hz] | 47...63 |
| Operating voltage | [V] | 20...250 AC |
| Protection class | | II |
| Reverse polarity protection | | no |

Outputs

| | | |
|---|------|------------------------|
| Output function | | normally closed |
| Max. voltage drop switching output AC | [V] | 5.5 |
| Minimum load current | [mA] | 5 |
| Max. leakage current | [mA] | 2.5 |
| Permanent current rating of switching output AC | [mA] | 300; (500 (...50 °C)) |
| Short-time current rating of switching output | [mA] | 2200; (20 ms / 0,5 Hz) |
| Switching frequency AC | [Hz] | 20 |
| Short-circuit protection | | no |
| Overload protection | | no |

Monitoring range

| | | |
|---------------|------|----|
| Sensing range | [mm] | 10 |
|---------------|------|----|

II0074



Inductive sensor

IIA2010-BBOW/V4A/ 6m

| | | |
|-----------------------|------|-----------|
| Real sensing range Sr | [mm] | 10 ± 10 % |
| Operating distance | [mm] | 0...8.1 |

| Accuracy / deviations | | |
|-----------------------|-----------|--|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis | [% of Sr] | 1...15 |
| Switch-point drift | [% of Sr] | -10...10 |

| Operating conditions | | |
|----------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |

| Mechanical data | | |
|--------------------|------|--------------------------------------|
| Housing | | Threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M30 x 1.5 |
| Thread designation | | M30 x 1.5 |
| Material | | stainless steel (1.4571/316Ti); PBT |

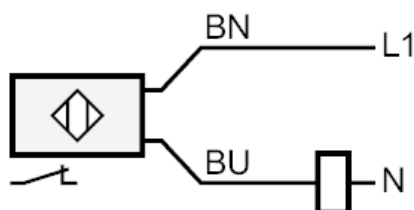
| Displays / operating elements | | |
|-------------------------------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |

| Accessories | | |
|----------------|--|--------------|
| Items supplied | | lock nuts: 2 |

| Remarks | | |
|---------------|--|--------|
| Pack quantity | | 1 pcs. |

| Electrical connection | | |
|------------------------------|--|--|
| Cable: 6 m, PVC; 2 x 0.5 mm² | | |

| Connection | | |
|------------|--|--|
|------------|--|--|



BN = Core colors :
brown
BU = blue