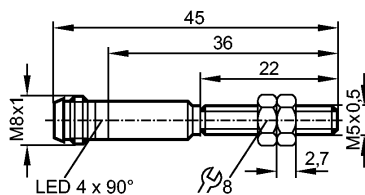


## IY5036

IYB30.8-BPKG/V2A/AS-514-TPS RT

Inductive sensors



Made in Germany

### Product characteristics

Inductive sensor

Metal thread M5 x 0.5

Connector

Sensing range 0.8 mm; [f] flush mountable

### Electrical data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Electrical design           | DC PNP                                 |
| Operating voltage [V]       | 10...36 DC; "supply class 2" to cULus. |
| Current consumption [mA]    | < 15 (24 V)                            |
| Protection class            | III                                    |
| Reverse polarity protection | yes                                    |

### Outputs

|                          |               |
|--------------------------|---------------|
| Output function          | normally open |
| Voltage drop [V]         | < 2.5         |
| Current rating [mA]      | 100           |
| Short-circuit protection | pulsed        |
| Overload protection      | yes           |
| Switching frequency [Hz] | 2000          |

### Range

|                              |            |
|------------------------------|------------|
| Sensing range [mm]           | 0.8        |
| Real sensing range (Sr) [mm] | 0.8 ± 10 % |
| Operating distance [mm]      | 0...0.65   |

### Accuracy / deviations

|                              |                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------|
| Correction factors           | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3 |
| Hysteresis [% of Sr]         | 1...15                                                                                             |
| Switch-point drift [% of Sr] | -10...10                                                                                           |

### Environment

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
| Protection               | IP 65    |

### Tests / approvals

|              |                                   |
|--------------|-----------------------------------|
| EMC          | EN 60947-5-2<br>EN 55011: class B |
| MTTF [Years] | 953                               |

### Mechanical data

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Mounting          | flush mountable                                               |
| Housing materials | stainless steel (303S22); active face: POM (polyoxymethylene) |
| Weight [kg]       | 0.012                                                         |

## IY5036

IYB30.8-BPKG/V2A/AS-514-TPS RT

Inductive sensors

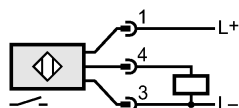
### Displays / operating elements

|                          |     |               |
|--------------------------|-----|---------------|
| Output status indication | LED | red (4 x 90°) |
|--------------------------|-----|---------------|

### Electrical connection

|            |              |
|------------|--------------|
| Connection | M8 connector |
|------------|--------------|

### Wiring



### Accessories

|                        |             |
|------------------------|-------------|
| Accessories (included) | 2 lock nuts |
|------------------------|-------------|

### Remarks

|               |         |   |
|---------------|---------|---|
| Pack quantity | [piece] | 1 |
|---------------|---------|---|