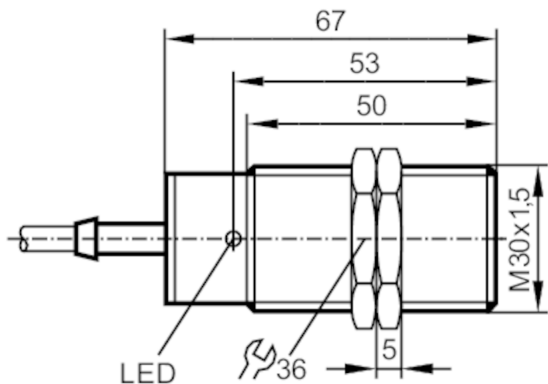




Inductive sensor

IIA4010-CPKG



| Product characteristics                         |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | complementary      |
| Sensing range                                   | [mm] | 10                 |
| Housing                                         |      | Threaded type      |
| Dimensions                                      | [mm] | M30 x 1.5 / L = 67 |
| 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                                 |      | complementary      |
| Max. voltage drop switching output DC           | [V]  | 2.5                |
| Permanent current rating of switching output DC | [mA] | 250                |
| Switching frequency DC                          | [Hz] | 400                |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |
| Monitoring range                                |      |                    |
| Sensing range                                   | [mm] | 10                 |
| Real sensing range Sr                           | [mm] | 10 ± 10 %          |
| Operating distance                              | [mm] | 0...8.1            |

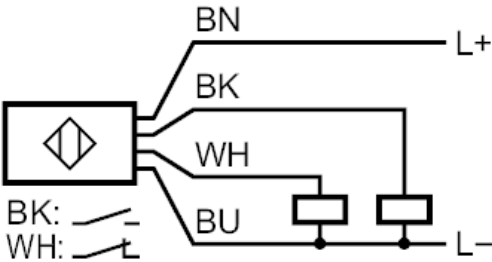
II5162



Inductive sensor

IIA4010-CPKG

| Accuracy / deviations         |                                                                            |                          |
|-------------------------------|----------------------------------------------------------------------------|--------------------------|
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |                          |
| Hysteresis                    | [% of Sr]                                                                  | 3...15                   |
| Switch-point drift            | [% of Sr]                                                                  | -10...10                 |
| Operating conditions          |                                                                            |                          |
| Ambient temperature           | [°C]                                                                       | -25...80                 |
| Protection                    |                                                                            | IP 67                    |
| Tests / approvals             |                                                                            |                          |
| EMC                           | EN 60947-5-2                                                               |                          |
|                               | EN 55011                                                                   | class B                  |
| MTTF                          | [years]                                                                    | 1365                     |
| Mechanical data               |                                                                            |                          |
| Weight                        | [g]                                                                        | 230.5                    |
| Housing                       |                                                                            | Threaded type            |
| Mounting                      |                                                                            | flush mountable          |
| Dimensions                    | [mm]                                                                       | M30 x 1.5 / L = 67       |
| Thread designation            |                                                                            | M30 x 1.5                |
| Material                      |                                                                            | brass nickel-plated; 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: 2 m, PVC; 4 x 0.34 mm² |                                                                            |                          |
| Connection                    |                                                                            |                          |



|      |               |
|------|---------------|
|      | Core colors : |
| BK = | black         |
| BN = | brown         |
| BU = | blue          |
| WH = | white         |