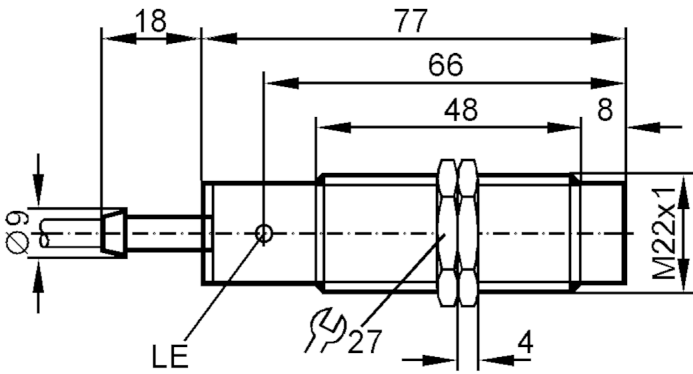


# IH7001



## Inductive sensor

IHA3010-BPKG



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 10            |
| Housing            | threaded type |
| Dimensions [mm]    | M22 x 1       |

### 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 |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 250           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

# IH7001



## Inductive sensor

IHA3010-BPKG

| Detection zone                |                  |                                                                             |
|-------------------------------|------------------|-----------------------------------------------------------------------------|
| Sensing range                 | [mm]             | 10                                                                          |
| 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 / aluminium: 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                                                                       |
| Tests / approvals             |                  |                                                                             |
| EMC                           | EN 60947-5-2     |                                                                             |
|                               | EN 55011         | class B                                                                     |
| MTTF                          | [years]          | 1853                                                                        |
| Mechanical data               |                  |                                                                             |
| Weight                        | [g]              | 165.5                                                                       |
| Housing                       |                  | threaded type                                                               |
| Mounting                      |                  | non-flush mountable                                                         |
| Dimensions                    | [mm]             | M22 x 1                                                                     |
| Thread designation            |                  | M22 x 1                                                                     |
| Materials                     |                  | brass white bronze coated; PBT                                              |
| Displays / operating elements |                  |                                                                             |
| Display                       | switching status | 1 x LED, yellow                                                             |
| Accessories                   |                  |                                                                             |
| Items supplied                |                  | lock nuts: 2                                                                |
| Remarks                       |                  |                                                                             |
| Pack quantity                 |                  | 1 pcs.                                                                      |

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## Inductive sensor

IHA3010-BPKG

### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



|      |                |
|------|----------------|
| BN = | Core colours : |
| BU = | brown          |
| BK = | blue           |
|      | black          |