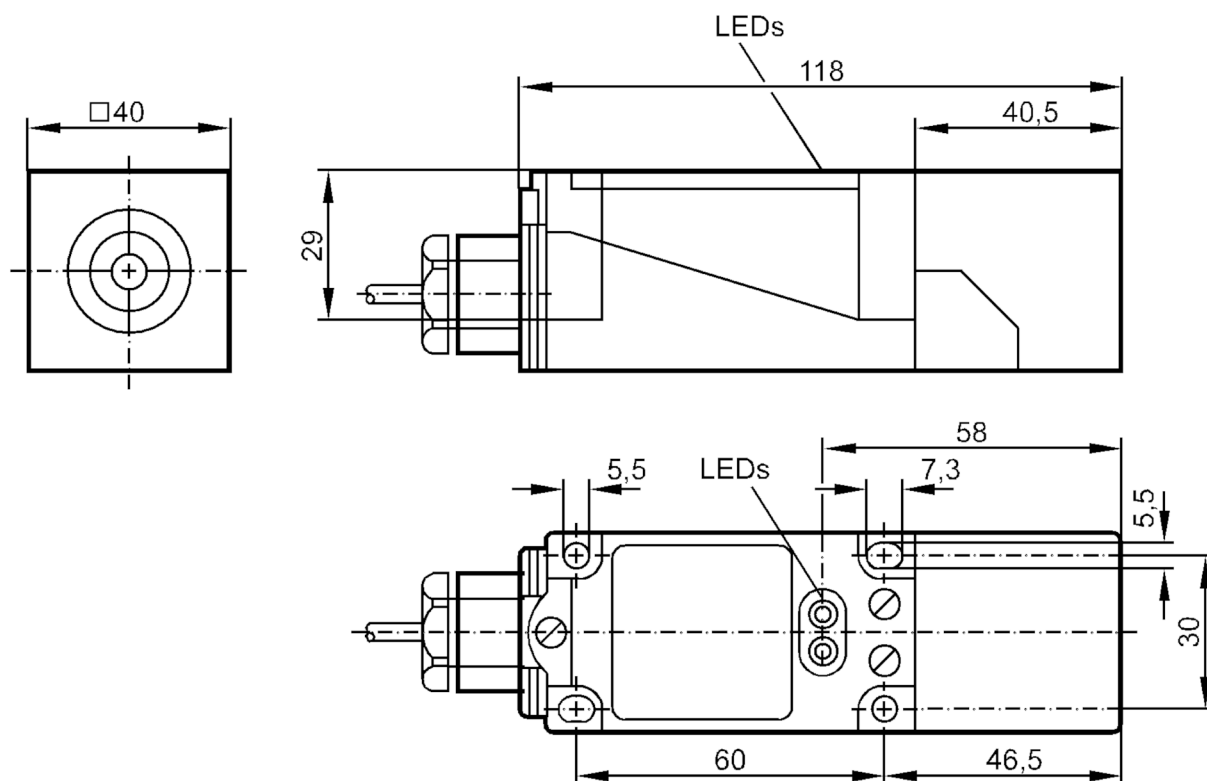


## Inductive sensor

IVE4020BCPKG/10M

Article no longer available - archive entry



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | complementary |
| Sensing range [mm] | 20            |
| Housing            | rectangular   |
| Dimensions [mm]    | 40 x 40 x 128 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...60 DC |
| Current consumption [mA]    | 20; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | complementary |
| Max. voltage drop switching output DC [V]            | 3             |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 150           |

# IV5051



## Inductive sensor

IVE4020BCPKG/10M

|                                  |                                                                                          |                                                                             |
|----------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Short-circuit protection         |                                                                                          | yes                                                                         |
| Type of short-circuit protection |                                                                                          | pulsed                                                                      |
| Overload protection              |                                                                                          | yes                                                                         |
| Detection zone                   |                                                                                          |                                                                             |
| Sensing range                    | [mm]                                                                                     | 20                                                                          |
| Real sensing range Sr            | [mm]                                                                                     | 20 ± 10 %                                                                   |
| Operating distance               | [mm]                                                                                     | 0...16.2                                                                    |
| 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...70                                                                    |
| Protection                       |                                                                                          | IP 67                                                                       |
| Tests / approvals                |                                                                                          |                                                                             |
| EMC                              | EN 60947-5-2                                                                             |                                                                             |
|                                  | EN 55011                                                                                 | class B                                                                     |
| Mechanical data                  |                                                                                          |                                                                             |
| Housing                          |                                                                                          | rectangular                                                                 |
| Mounting                         |                                                                                          | flush mountable                                                             |
| Dimensions                       | [mm]                                                                                     | 40 x 40 x 128                                                               |
| Materials                        |                                                                                          | PBT; Sealing: FKM                                                           |
| Displays / operating elements    |                                                                                          |                                                                             |
| Display                          | switching status                                                                         | 1 x LED, yellow                                                             |
|                                  | operation                                                                                | 1 x LED, green                                                              |
| Remarks                          |                                                                                          |                                                                             |
| Remarks                          | 5 positions of the active zone possible<br>Cable gland (E11270) to be ordered separately |                                                                             |
| Pack quantity                    | 1 pcs.                                                                                   |                                                                             |

# IV5051



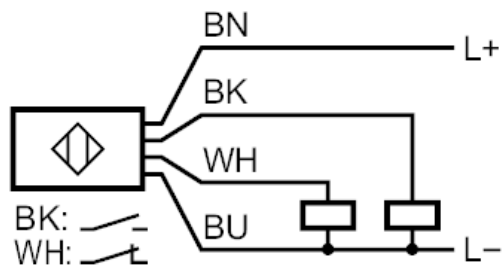
## Inductive sensor

IVE4020BCPKG/10M

### Electrical connection

Cable: 10 m, oil-resistant flexible cable; 4 x 0.5 mm<sup>2</sup>

### Connection



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