

# IV5007

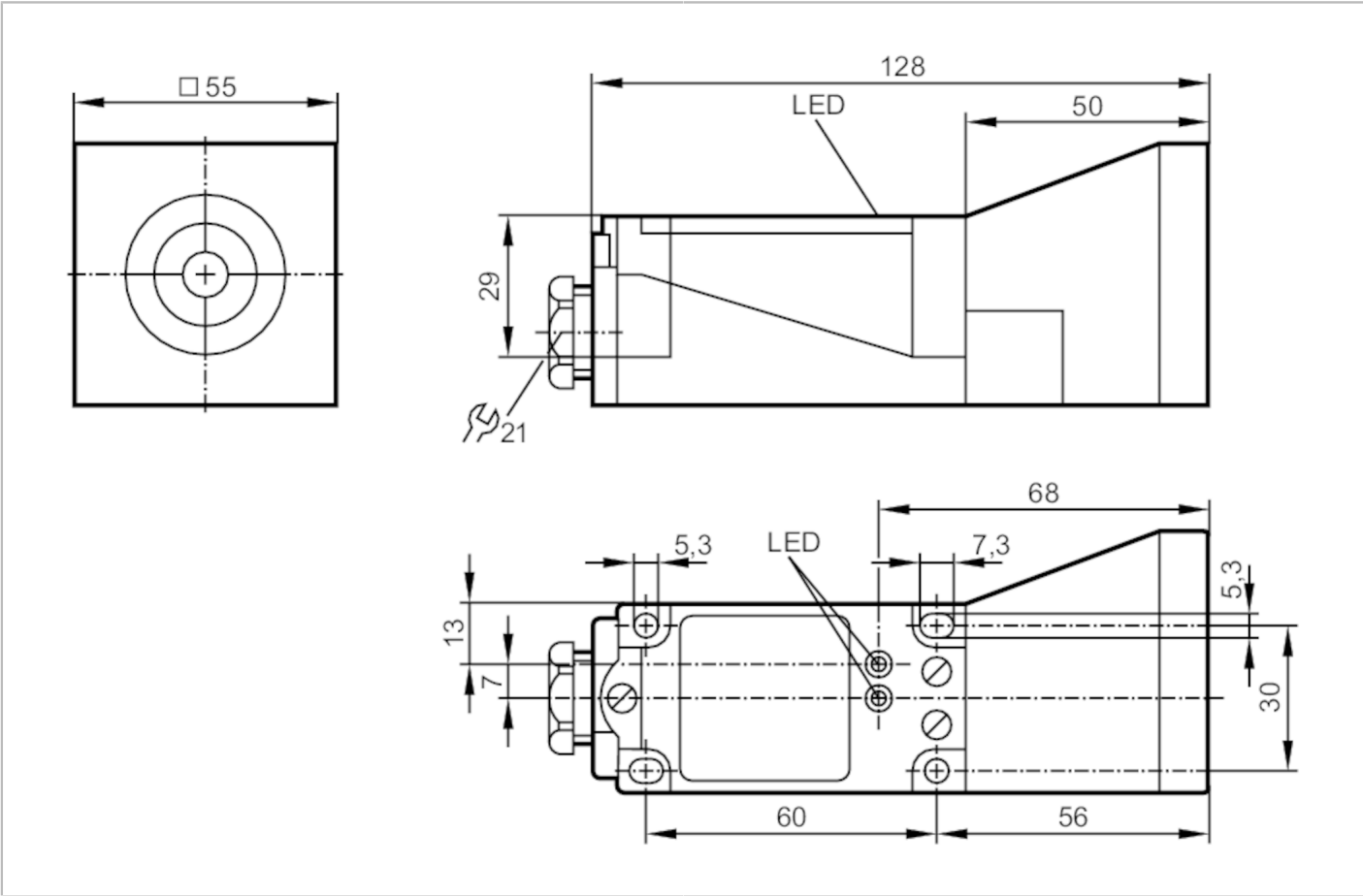


## Inductive sensor

IVE3040-BPKG

phase-out article

Alternative articles: IV5061 + E11307  
When selecting an alternative article and accessories please note that technical data may differ!



| Product characteristics     |      |               |
|-----------------------------|------|---------------|
| Electrical design           |      | PNP           |
| Output function             |      | normally open |
| Sensing range               | [mm] | 40            |
| Housing                     |      | rectangular   |
| Dimensions                  | [mm] | 55 x 55 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             |      | normally open |



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|                                                 |                                               |                                                                             |                 |
|-------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------|-----------------|
| Max. voltage drop switching output DC           | [V]                                           | 3                                                                           |                 |
| Permanent current rating of switching output DC | [mA]                                          | 200                                                                         |                 |
| Switching frequency DC                          | [Hz]                                          | 100                                                                         |                 |
| Short-circuit protection                        |                                               | yes                                                                         |                 |
| Type of short-circuit protection                |                                               | pulsed                                                                      |                 |
| Overload protection                             |                                               | yes                                                                         |                 |
| Detection zone                                  |                                               |                                                                             |                 |
| Sensing range                                   | [mm]                                          | 40                                                                          |                 |
| Real sensing range Sr                           | [mm]                                          | 40 ± 10 %                                                                   |                 |
| Operating distance                              | [mm]                                          | 0...32.4                                                                    |                 |
| 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                                  |                                                                             |                 |
| Mechanical data                                 |                                               |                                                                             |                 |
| Weight                                          | [g]                                           | 371.6                                                                       |                 |
| Housing                                         |                                               | rectangular                                                                 |                 |
| Mounting                                        |                                               | non-flush mountable                                                         |                 |
| Dimensions                                      | [mm]                                          | 55 x 55 x 128                                                               |                 |
| Materials                                       |                                               | PBT                                                                         |                 |
| Displays / operating elements                   |                                               |                                                                             |                 |
| Display                                         | switching status                              |                                                                             | 1 x LED, yellow |
|                                                 | operation                                     |                                                                             | 1 x LED, green  |
| Remarks                                         |                                               |                                                                             |                 |
| Remarks                                         | 5 positions of the active zone possible       |                                                                             |                 |
|                                                 | Cable gland (E11270) to be ordered separately |                                                                             |                 |
| Pack quantity                                   | 1 pcs.                                        |                                                                             |                 |

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### Electrical connection

terminals: ...2.5 mm<sup>2</sup>; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

### Connection

