

# IA5111



## Inductive sensor

IAE3010-APKG/55V

Article no longer available - archive entry

Alternative articles: IA5122

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally closed |
| Sensing range [mm] | 10              |
| Housing            | cylindrical     |
| Dimensions [mm]    | Ø 20 / L = 92   |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 5; (24 V)  |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 300             |
| Short-circuit protection                             | yes             |
| Type of short-circuit protection                     | pulsed          |
| Overload protection                                  | yes             |

### Detection zone

|                            |           |
|----------------------------|-----------|
| Sensing range [mm]         | 10        |
| Real sensing range Sr [mm] | 10 ± 10 % |
| Operating distance [mm]    | 0...8.1   |



## Inductive sensor

IAE3010-APKG/55V

| Accuracy / deviations                              |                                                                             |                 |
|----------------------------------------------------|-----------------------------------------------------------------------------|-----------------|
| Correction factor                                  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |                 |
| Hysteresis                                         | [X01]                                                                       | 1...15          |
| Switch point drift                                 | [X01]                                                                       | -10...10        |
| Operating conditions                               |                                                                             |                 |
| Ambient temperature                                | [°C]                                                                        | -25...80        |
| Protection                                         | IP 65                                                                       |                 |
| Tests / approvals                                  |                                                                             |                 |
| EMC                                                | EN 60947-5-2                                                                |                 |
| Mechanical data                                    |                                                                             |                 |
| Housing                                            | cylindrical                                                                 |                 |
| Mounting                                           | non-flush mountable                                                         |                 |
| Dimensions                                         | [mm]                                                                        | Ø 20 / L = 92   |
| Materials                                          | PBT; LED window: PC                                                         |                 |
| Displays / operating elements                      |                                                                             |                 |
| Display                                            | switching status                                                            | 1 x LED, yellow |
| Аксессуары                                         |                                                                             |                 |
| Items supplied                                     | кріпильні хомути: 1                                                         |                 |
| Remarks                                            |                                                                             |                 |
| Pack quantity                                      | 1 pcs.                                                                      |                 |
| Electrical connection                              |                                                                             |                 |
| terminals: ...2.5 mm²; Cable sheath: Ø 4.5...10 mm |                                                                             |                 |
| Connection                                         |                                                                             |                 |

