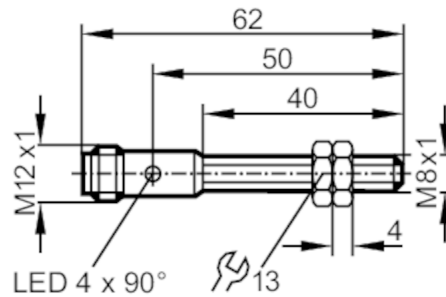


IE5312



Inductive sensor

IEK3002BBPKG/US-104-DPS



Product characteristics

| | | |
|-------------------|------|-----------------|
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 2 |
| Housing | | threaded type |
| Dimensions | [mm] | M8 x 1 / L = 62 |

Electrical data

| | | |
|-----------------------------|------|-----------------------|
| Operating voltage | [V] | 10...36 DC; (to PELV) |
| Current consumption | [mA] | < 15 |
| Protection class | | III |
| 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] | 1000 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

Detection zone

| | | |
|--------------------|------|---------|
| Sensing range | [mm] | 2 |
| Operating distance | [mm] | 0...1.6 |

Accuracy / deviations

| | | |
|--------------------|-----------|--|
| Correction factor | | stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis | [% of Sr] | 1...20 |
| Switch point drift | [% of Sr] | -10...10 |

IE5312



Inductive sensor

IEK3002BBPKG/US-104-DPS

| Operating conditions | | |
|-------------------------------|------------------|--|
| Ambient temperature | [°C] | -25...70 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 1379 |
| Mechanical data | | |
| Weight | [g] | 23.1 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M8 x 1 / L = 62 |
| Thread designation | | M8 x 1 |
| Materials | | brass white bronze coated; sensing face: LCP |
| Displays / operating elements | | |
| Display | switching status | 4 x 90° LED, yellow |
| Accessories | | |
| Items supplied | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |

Electrical connection - plug

Connector: 1 x M12



Connection

