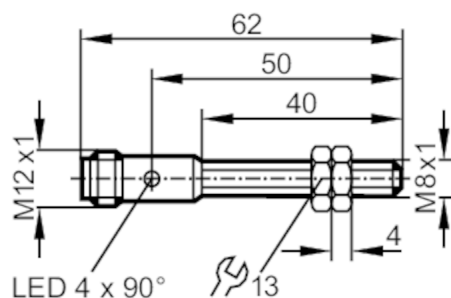


Inductive sensor

IEK3002BBPKG/US-104



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 |

Operating conditions

| | |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
|--------------------------|----------|

IE5312



Inductive sensor

IEK3002BBPKG/US-104

| | |
|------------|-------|
| 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 | | housing: 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; coding: A



Connection

