



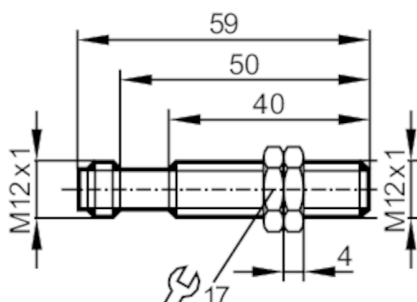
Inductive sensor

IFK3002-APOG/US-100/MDG/OLED

Article no longer available - archive entry

Alternative articles: IFC207

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] | 2 |
| Housing | threaded type |
| Dimensions [mm] | M12 x 1 / L = 59 |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...30 DC |
| Current consumption [mA] | 15; (24 V) |
| Reverse polarity protection | no |

Outputs

| | |
|--|-----------------|
| Electrical design | PNP |
| Output function | normally closed |
| Max. voltage drop switching output DC [V] | 1.5 |
| Permanent current rating of switching output DC [mA] | 200 |
| Switching frequency DC [Hz] | 700 |
| Short-circuit protection | no |
| Overload protection | no |

Detection zone

| | |
|-------------------------------|---------------|
| Sensing range [mm] | 2 |
| Real sensing range S_r [mm] | $2 \pm 10 \%$ |
| Operating distance [mm] | 0...1.6 |

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 |

IF5506



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Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |

Tests / approvals

| | | |
|-----|--------------|--|
| EMC | EN 60947-5-2 | |
|-----|--------------|--|

Mechanical data

| | | |
|--------------------|------|----------------------------------|
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M12 x 1 / L = 59 |
| Thread designation | | M12 x 1 |
| Materials | | brass white bronze coated; CO-PC |

Accessories

| | | |
|----------------|--|--------------|
| Items supplied | | lock nuts: 2 |
|----------------|--|--------------|

Remarks

| | | |
|---------------|--|--------|
| Pack quantity | | 1 pcs. |
|---------------|--|--------|

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

