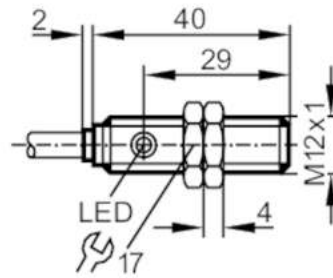


IF5908



Inductive sensor

IFC2004-ARKG/UP/6M



Product characteristics

| | |
|--------------------|------------------|
| Electrical design | PNP/NPN |
| Output function | normally open |
| Sensing range [mm] | 4 |
| Housing | threaded type |
| Dimensions [mm] | M12 x 1 / L = 40 |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Protection class | II |
| Reverse polarity protection | yes |

Outputs

| | |
|--|---------------|
| Electrical design | PNP/NPN |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 4.6 |
| Minimum load current [mA] | 4 |
| Max. leakage current [mA] | 0.6 |
| Permanent current rating of switching output DC [mA] | 150 |
| Switching frequency DC [Hz] | 1500 |
| Short-circuit protection | yes |
| Type of short-circuit protection | pulsed |
| Overload protection | yes |

Detection zone

| | |
|-------------------------------|--------------|
| Sensing range [mm] | 4 |
| Real sensing range S_r [mm] | $4 \pm 10\%$ |
| Operating distance [mm] | 0...3.25 |

Accuracy / deviations

| | |
|----------------------------------|---|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [% of S_r] | 1...15 |
| Switch point drift [% of S_r] | -10...10 |

Operating conditions

| | |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
|--------------------------|----------|

IF5908



Inductive sensor

IFC2004-ARKG/UP/6M

| | |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

Tests / approvals

| | |
|--------------|--------------|
| EMC | EN 60947-5-2 |
| MTTF [years] | 2680 |

Mechanical data

| | |
|--------------------|---------------------|
| Weight [g] | 195 |
| Housing | threaded type |
| Mounting | non-flush mountable |
| Dimensions [mm] | M12 x 1 / L = 40 |
| Thread designation | M12 x 1 |
| Materials | PBT |

Displays / operating elements

| | | |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

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

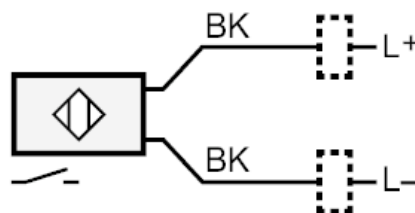
Remarks

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

Electrical connection

Cable: 6 m, PVC; 2 x 0.34 mm²

Connection



BK = Core colours :
black