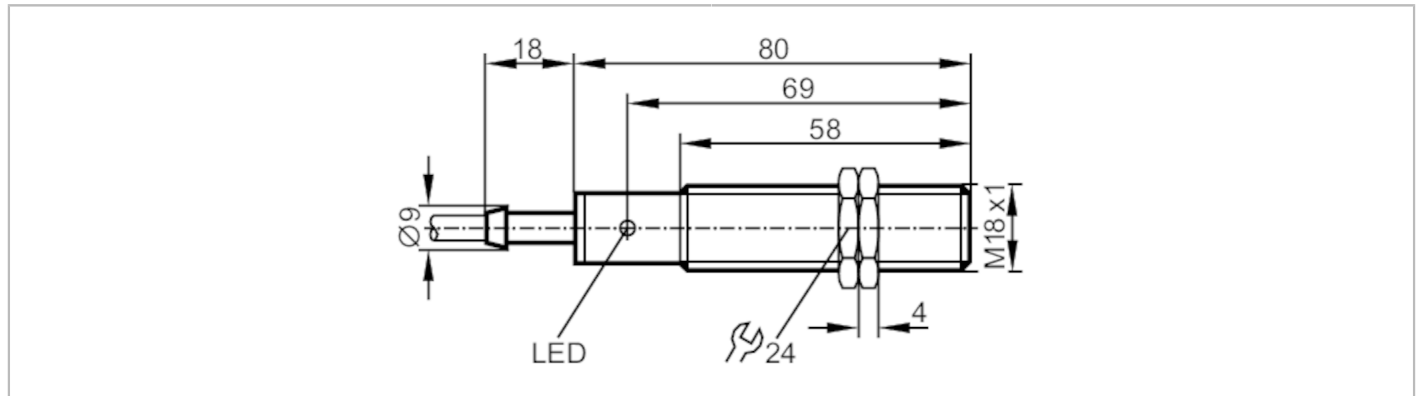


IG0330



Inductive sensor

IG-2008-ABOA



| Product characteristics | |
|--|---|
| Output function | normally open |
| Sensing range [mm] | 8 |
| Housing | threaded type |
| Dimensions [mm] | M18 x 1 / L = 80 |
| Electrical data | |
| Operating voltage [V] | 20...250 AC/DC |
| Protection class | II |
| Reverse polarity protection | no |
| Outputs | |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 6 |
| Max. voltage drop switching output AC [V] | 6.5 |
| Minimum load current [mA] | 5 |
| Max. leakage current [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC [mA] | 250; (350 (...50 °C)) |
| Permanent current rating of switching output DC [mA] | 100 |
| Short-time current rating of switching output [mA] | 2200; (20 ms / 0,5 Hz) |
| Switching frequency AC [Hz] | 25 |
| Switching frequency DC [Hz] | 50 |
| Short-circuit proof | no |
| Overload protection | no |
| Detection zone | |
| Sensing range [mm] | 8 |
| Real sensing range Sr [mm] | 8 ± 10 % |
| Operating distance [mm] | 0...6.5 |

IG0330



Inductive sensor

IG-2008-ABOA

| 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 | |
| Operating conditions | | |
| Ambient temperature [°C] | -25...80 | |
| Protection | IP 67 | |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF [years] | 604 | |
| UL approval | Ta | 0...40 °C |
| | Enclosure type | Type 1 |
| | voltage supply | Hazardous voltage |
| | File number UL | E174191 |
| Mechanical data | | |
| Weight [g] | 116.8 | |
| Housing | threaded type | |
| Mounting | non-flush mountable | |
| Dimensions [mm] | M18 x 1 / L = 80 | |
| Thread designation | M18 x 1 | |
| Materials | PBT | |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, red |
| Electrical connection | | |
| Required protection | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting | |
| Accessories | | |
| Accessories (supplied) | lock nuts: 2 | |
| Remarks | | |
| Remarks | Recommendation: Check the safe functioning of the unit after a short circuit. | |
| Pack quantity | 1 pcs. | |

IG0330



Inductive sensor

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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 \leq 2 A fast acting

Core colours :

BN = brown

BU = blue