

II5708

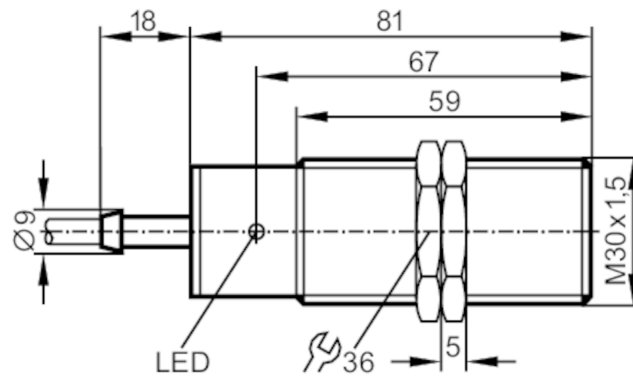


Inductive sensor

IIA2010-FRKG/20mPPU

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| Electrical data | |
|--|---|
| Operating voltage [V] | 10...55 DC |
| Protection class | II |
| Reverse polarity protection | yes |
| Outputs | |
| Electrical design | PNP/NPN |
| Output function | normally open / normally closed; (selectable) |
| Max. voltage drop switching output DC [V] | 4.6 |
| Minimum load current [mA] | 4 |
| Max. leakage current [mA] | 0.5 |
| Permanent current rating of switching output DC [mA] | 400 |
| Switching frequency DC [Hz] | 450 |
| Short-circuit protection | yes |
| Type of short-circuit protection | pulsed |
| Overload protection | yes |
| Detection zone | |
| Sensing range [mm] | 10 |
| Real sensing range S_r [mm] | $10 \pm 10 \%$ |
| Operating distance [mm] | 0...8.1 |
| 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 |

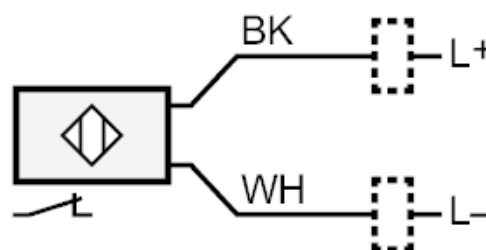
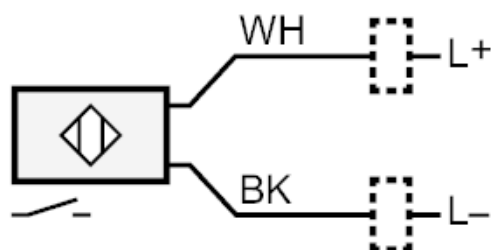
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IIA2010-FRKG/20mPPU

| Operating conditions | | |
|---|------------------|---|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| Mechanical data | | |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M30 x 1.5 / L = 81 |
| Thread designation | | M30 x 1.5 |
| Materials | | housing: brass nickel-plated; sensing face: PBT |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 20 m, PUR / PVC; 2 x 0.5 mm ² | | |
| Connection | | |



Core colours :

BK = black
WH = white

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