

Technical data & Approximate dimensions

Inductive sensors, M 8 x 1 thread



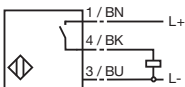
Inductive sensors, with thread M 8 x 1

| Operating distance S_n , mounting | | 2 mm non-flush | 2 mm non-flush | 2 mm non-flush | 3 mm quasi flush |
|-------------------------------------|---------------|----------------------|----------------------|-----------------------|----------------------|
| PNP | NO | SIN2-M8N-V2-PO | SIN2-M8S-U2-PO | SIN2-M8N-C1-PO | SIN3-M8N-V2-PO |
| | NC | | | | |
| | Antivalent | | | | |
| NPN | NO | SIN2-M8N-V2-NO | | SIN2-M8N-C1-NO | |
| | Antivalent | | | | |
| DC 2-wires | NO | | | | |
| AC | NO | | | | |
| | NC | | | | |
| | Antivalent | | | | |
| Switching distance | [mm] | 0 ... 1.62 | 0 ... 1.62 | 0 ... 1.62 | 0 ... 2.43 |
| Reduction factor | r_{V2A} | 0.75 | 0.7 | 0.75 | 0.77 |
| | r_{AL} | 0.45 | 0.4 | 0.45 | 0.36 |
| | r_{Cu} | 0.35 | 0.35 | 0.35 | 0.27 |
| Operating voltage | [V] | 10 ... 30 | 10...60 | 10 ... 30 | 10 ... 30 |
| Operating current | [mA] | 100 | 100 | 100 | 200 |
| Switching frequency | [Hz] | 1500 | 400 | 1500 | 1000 |
| Idle current / residual current | [mA] | 15 | 15 | 15 | 10 |
| Line voltage drop | [V] | 3 | 3 | 3 | 2 |
| Short circuit protection | | clocking | clocking | clocking | no |
| Inverse polarity protection | | yes | yes | yes | yes |
| Indication | output signal | LED yellow | LED yellow | Multi-hole-LED yellow | LED yellow |
| | voltage | - | - | - | - |
| Operating temperature range | [°C] | -25 ... 70 | -25 ... 70 | -25 ... 70 | -25 ... 70 |
| In compliance with | | EN60947-5-2 | EN60947-5-2 | EN60947-5-2 | EN60947-5-2 |
| Protection class acc. to IEC 60529 | | IP67 | IP67 | IP67 | IP67 |
| Connection type | | 2 m, PVC-cable | 2 m, PUR-cable | Connector M12 | 2 m, PVC-cable |
| Conductor diameter | | 0.14 mm ² | 0.14 mm ² | - | 0.14 mm ² |
| Housing material | | nickel-plated brass | stainless steel | nickel-plated brass | chrome-plated brass |
| Front face | | PBT (Crastin) | PBT (Crastin) | PBT (Crastin) | PBT (Crastin) |
| Drawing No. | | FZ020038 | FZ020002 | FZ015032 | FZ030001 |

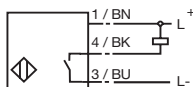
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Output signals

Output PO



Output NO



Dimensions in mm

