



Proximity switch, inductive, 1N/O, $S_n=15\text{mm}$, 3L, 10-30VDC, PNP, M30, metal, M12

Part no. E57-30GE15-GDB
Article no. 135960
Catalog No. E57-30GE15-GDB

Delivery program

| | | | |
|---------------------------|-------|----|----------------------------|
| Basic function | | | Inductive Sensors |
| Product range | | | E57 Global Series |
| Connection | | | 3-wire |
| Design (outer dimensions) | | mm | M30 x 1.5 |
| Rated operational voltage | U_e | | 10 - 30 V DC |
| Rated switching distance | S_n | mm | 15 |
| Type of mounting | | | Flush |
| Switching type | | | PNP |
| For connection of: | | | Plug-in connection M12 x 1 |
| Contacts | | | |
| N/O = Normally open | | | 1 N/O |
| Material | | | Metal |
| Degree of Protection | | | IP67, IP69K |

Technical data

General

| | | | |
|-----------------------------|--|---|----------------------------|
| Standards | | | IEC/EN 60947-5-2 |
| Ambient temperature | | | 0 - +60 |
| Mechanical shock resistance | | g | 30 Shock duration 11 ms |
| Degree of Protection | | | IP67, IP69K |

Characteristics

| | | | |
|--|-------|-----|---|
| Rated switching distance | | | |
| Rated switching distance | S_n | mm | 15 |
| Repetition accuracy of S_n | | % | 1 |
| Temperature drift of S_n | | % | 10 |
| Switching hysteresis of S_n | | % | 15 |
| Rated operational voltage | U_e | | 10 - 30 V DC |
| Residual ripple of U_e | | % | 10 |
| Maximum load current | I_e | mA | < 100 |
| Operating current in the switched state at 24 V DC | I_b | mA | 10 |
| Voltage drop at I_e | U_d | V | 1.5 |
| Switching Frequency | | Hz | 500 |
| Residual current through the load in the blocked state at 230 V AC and 24 V DC | I_r | mA | 0.01 |
| Switching state display | | LED | Red |
| Protective functions | | | Short-circuit protective device Protection against polarity reversal Protection against wire breakage |
| Connection | | | 3-wire |
| Contacts | | | |
| N/O = Normally open | | | 1 N/O |
| Style | | | |
| Design (outer dimensions) | | mm | M30 x 1.5 |
| For connection of: | | | Plug-in connection M12 x 1 |
| Material | | | Metal |

Design verification as per IEC/EN 61439

| | | | |
|--|--|----|---|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | 0 |

| | | |
|------------------------------------|----|----|
| Operating ambient temperature max. | °C | 60 |
|------------------------------------|----|----|

Approvals

| | | |
|-----------------------------|--|--|
| Product Standards | | UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking |
| UL File No. | | CSA report applies to both Canada and US |
| UL Category Control No. | | - |
| CSA File No. | | 224447 |
| CSA Class No. | | 4652-04 / 4652-84 |
| North America Certification | | CSA certified, certified by CSA for use in the US |
| Max. Voltage Rating | | 30 V DC |
| Degree of Protection | | IEC: IP67, IP69K; UL/CSA Type: - |

Additional product information (links)

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|--|---|
| IL05301002Z Global Series Inductive Sensors | |
| IL05301002Z Global Series Inductive Sensors | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301002Z2016_07.pdf |