# Proximity switch, inductive, 1 N/C, Sn=22mm, 3L, 6-48VDC, NPN, M30, metal, line 2m

Powering Business Worldwide

| | |
|---|---|
| **Part no.** | **E57-30LE22-C1** |
| **Article no.** | **135992** |
| **Catalog No.** | **E57-30LE22-C1** |

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Inductive Sensors |
| Product range | | | E57 Premium+ Series |
| Connection | | | 3-wire |
| Design (outer dimensions) | | mm | M30 x 1 |
| Rated operational voltage | $U_e$ | | 6 - 48 V DC |
| Rated switching distance | $S_n$ | mm | 22 |
| Type of mounting | | | Semi-shielded |
| Switching type | | | NPN |
| For connection of: | | | 2 m connection cable |
| **Contacts** | | | |
| N/C = Normally closed | | | 1 NC |
| Material | | | Stainless steel |
| Degree of Protection | | | IP67 |

## Technical data

### General

| | | | |
|---|---|---|---|
| Standards | | | IEC/EN 60947-5-2 |
| Ambient temperature | | | -25 - +70 |
| Mechanical shock resistance | | g | 30<br>Shock duration 11 ms |
| Degree of Protection | | | IP67 |

### Characteristics

| | | | |
|---|---|---|---|
| Rated switching distance | | | |
| Rated switching distance | $S_n$ | mm | 22 |
| Repetition accuracy of $S_n$ | | % | 3 |
| Temperature drift of $S_n$ | | % | 10 |
| Switching hysteresis of $S_n$ | | % | 15 |
| Rated operational voltage | $U_e$ | | 6 - 48 V DC |
| Operating current in the switched state at 24 V DC | $I_b$ | mA | 10 |
| Maximum load current | $I_e$ | mA | < 500 (6 - 30 V DC) |
| Voltage drop at $I_e$ | $U_d$ | V | 2.5 |
| Switching Frequency | | Hz | 300 |
| Residual current through the load in the blocked state at 230 V AC and 24 V DC | $I_r$ | mA | 0.1 |
| Switching state display | | LED | Red |
| Connection | | | 3-wire |
| Contacts | | | |
| N/C = Normally closed | | | 1 NC |
| Style | | | |
| Design (outer dimensions) | | mm | M30 x 1 |
| For connection of: | | | 2 m connection cable |
| Material | | | Stainless steel |

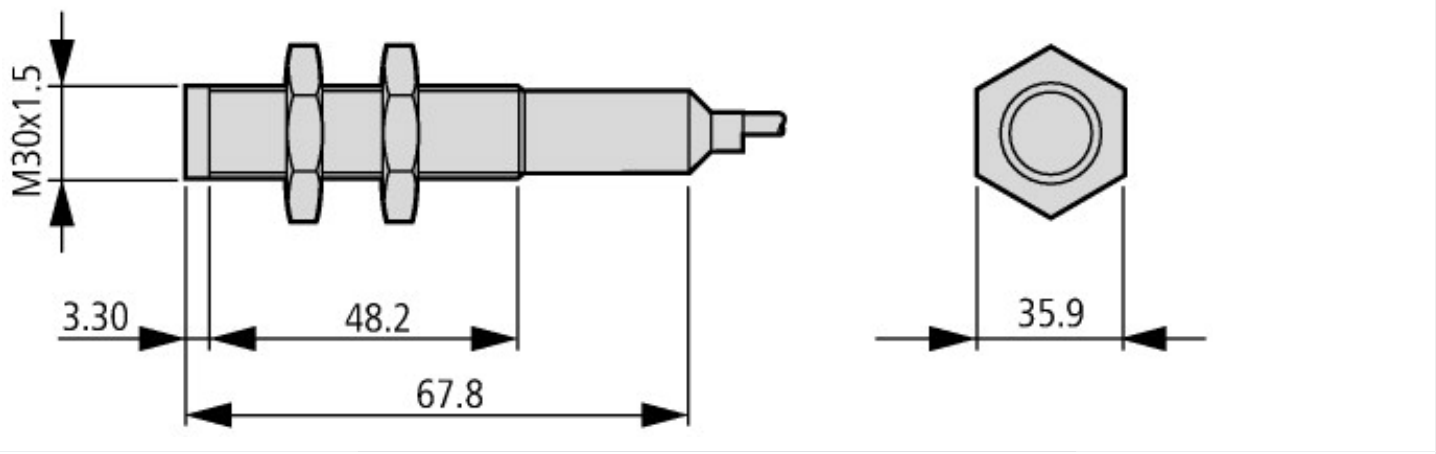
## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 70 |

## Approvals

| | | |
|---|---|---|
| Product Standards | | none |
| CSA File No. | | none |
| CSA Class No. | | none |
| Max. Voltage Rating | | 48 V DC |
| Degree of Protection | | IEC: IP67, IP69K; UL/CSA Type: 4, 4x, 6, 6P, 12, 13 |

## Dimensions




① Sensor surface

## Additional product information (links)

| **IL05301003Z Premium Plus Series Inductive Sensors +Short, +Miniature** | |
|---|---|
| IL05301003Z Premium Plus Series Inductive Sensors +Short, +Miniature | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301003Z2016_07.pdf |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