

Control Unit Ex e, Stainless Steel, Pushbutton

LCS1.PGMX.B.1

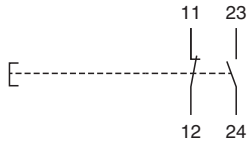


- Pushbutton green - 1x NO / 1x NC - labeling 'I'
- Stainless Steel enclosure
- Ex de and Ex tb certified
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Top face stopping plug polyamide, 1x M20; bottom face cable gland polyamide, 1x M20
- Degree of protection IP66



Wiring Diagram

| | | |
|---|----|----|
| | 11 | 23 |
| 0 | X | |
| I | | X |
| | 12 | 24 |



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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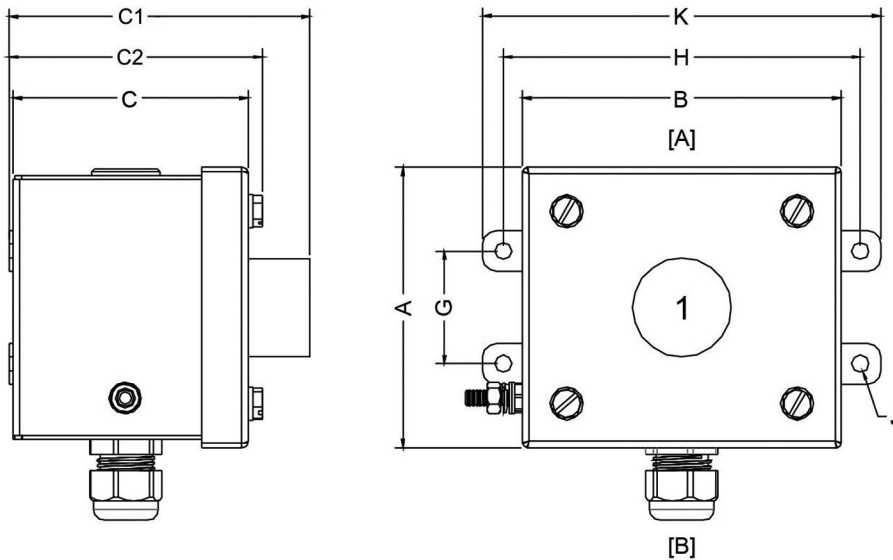
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Dimensions



Dimension values see data table.

Image and drawing are generic for this device type and may deviate from the specific variant.

| Legend | |
|-------------|---|
| A | Height |
| B | Width |
| C | Depth |
| C1 | Depth with operating element |
| C2 | Depth with screws |
| G | Mounting holes distance, vertical |
| H | Mounting holes distance, horizontal |
| J | Mounting holes diameter |
| K | Maximum external dimension with mounting brackets |
| [A] ... [B] | Cable entry faces |

Technical Data

Electrical specifications

| | |
|-------------------|---------------------|
| Operating voltage | 250 V max. |
| Operating current | 16 A max. |
| Terminal capacity | 2.5 mm ² |
| Terminal torque | 0.8 Nm |
| Function | pushbutton |
| Color | green |

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Technical Data

| | |
|--|--|
| Contact configuration | 1x NO / 1x NC all NC contacts have a direct opening action for emergency stop functions |
| Usage category | AC12 - 12 ... 250 V AC - 16 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A DC13 - 12 ... 24 V DC - 1A |
| Number of poles | 2 |
| Operator action | spring return |
| Labeling | I |
| Mechanical specifications | |
| Enclosure range | LCS |
| Enclosure cover | fully detachable |
| Cover fixing | stainless steel hexagonal head screws |
| Screws | M6 |
| Number | 4 |
| Tightening torque | 2 Nm |
| Degree of protection | IP66 |
| Cable entry face A | |
| M20 quantity | 1 |
| M20 series | Stopping Plugs, Plastic |
| M20 type | SP.PE.M20.* |
| Cable entry face B | |
| M20 quantity | 1 |
| M20 series | Cable Glands, Plastic |
| M20 type | CG.PEDS.M20.* |
| M20 clamping range | 6 ... 12 mm |
| Defined entry area | face A and face B |
| Material | |
| Enclosure | 1.5 mm AISI 316L, (1.4404) stainless steel |
| Finish | electropolished |
| Seal | one piece closed cell silicone |
| Mass | 0.7 kg |
| Dimensions | |
| Height (A) | 102 mm |
| Width (B) | 116 mm |
| Depth (C) | 85.5 mm |
| External dimension with operating element (C1) | 100 mm |
| External dimension with screws (C2) | 92.2 mm |
| Mounting holes distance (G) | 41 mm |
| Mounting holes distance (H) | 130 mm |
| Mounting holes diameter (J) | 6.1 mm |
| Maximum external dimension (K) | 145 mm |
| Tightening torque | |
| Nut torque at enclosure (SW1) | see datasheets of cable glands |
| Grounding | M6 internal/external brass grounding bolt |
| Ambient conditions | |
| Ambient temperature | -40 ... 55 °C (-40 ... 131 °F) @ T4 -40 ... 40 °C (-40 ... 104 °F) @ T6 |
| Data for application in connection with hazardous areas | |
| EU-type examination certificate | CML 16 ATEX 3009X |
| Marking | ⊕ II 2 GD Ex db eb mb IIC T* Gb Ex tb IIIC T** °C Db T6/T80 °C @ Ta +40 °C T4/T130 °C @ Ta +55 °C |

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Technical Data

| International approvals | |
|--------------------------------|--|
| IECEX approval | IECEX CML 16.0008X |
| EAC approval | RU C-DE.BH02.B.00016/18 |
| IA approval | MASC S/18-0003X |
| CCC approval | 2020322304002545 |
| Conformity | |
| Degree of protection | EN 60529 |
| Usage category | IEC / EN 60947 |
| CE marking | 0080 or 0102, see type label |
| General information | |
| Supplementary information | EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com . |
| Accessories | |
| Optional accessories | engraved traffolyte tag label engraved AISI 316L stainless steel tag label color in-fill stainless steel tag label M6 internal/external stainless steel grounding bolt |