

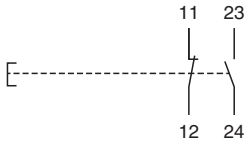
# Control Unit Ex e, Stainless Steel, 3 Functions

## LRS3.D.LRLX.DMMX.E4MX.C.1

- LED indicator, red
- Double pushbutton, red/green - 1x NO / 1x NC - labeling '0 - I'
- Emergency stop mushroom button 40 mm, red, twist-to-release - 1x NO / 1x NC
- Stainless Steel AISI 316L
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66
- Ex db eb and Ex tb certified
- Pushbutton with interchangeable inserts
- Bottom face cable gland polyamide, 1x M25
- Wide range of accessories available

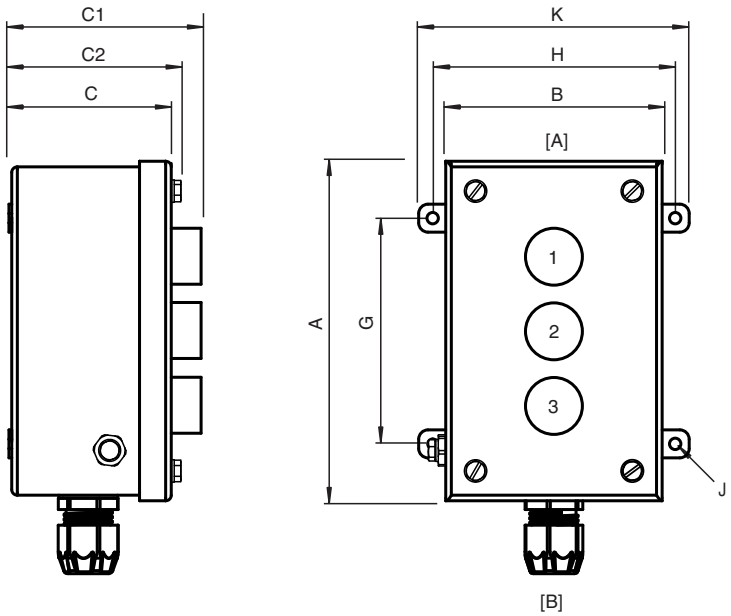
## Connection

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




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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.

## Technical Data

| | | |
|---|---|---|
| **Electrical specifications** | | |
| Operating voltage | | 250 V max. |
| Operating current | | 6 A max. |
| Terminal capacity | | 2.5 mm² |
| Terminal torque | | 0.8 Nm |
| Function | | LED |
| Color | | red |
| Usage category | | |
| Rated operating voltage | | 30 ... 250 V AC / 20 ... 24 V DC |
| Function 2 | | double pushbutton |
| Color | | red / green |
| Contact configuration | | 1x NO / 1x NC |
| Usage category | | AC12 - 12 … 250 V AC - 6 A<br>AC15 - 12 … 250 V AC - 6 A<br>DC13 - 12 … 110 V DC - 1 A |
| Number of poles | | 2 |
| Operator action | | spring return |
| Labeling | | 0 - I |
| Note | | spare pushbutton inserts included: red '0', green 'I', black '0', black 'I', black 'II', black 'arrow up', black 'arrow down' |
| Function 3 | | mushroom button |
| Color | | red |
| Contact configuration | | 1x NO / 1x NC<br>all NC contacts have a direct opening action for emergency stop functions |
| Usage category | | AC12 - 12 … 250 V AC - 6 A<br>AC15 - 12 … 250 V AC - 6 A<br>DC13 - 12 … 110 V DC - 1 A |
| Number of poles | | 2 |
| Operator action | | latching , twist to release |

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## Technical Data

| | | |
|---|---|---|
| **Mechanical specifications** | | |
| Enclosure range | | SR |
| Enclosure cover | | fully detachable |
| Cover fixing | | stainless steel A4 (V4A) hexagonal head screws |
| Screws | | M6 |
| Number | | 4 |
| Tightening torque | | 3 Nm - 3.5 Nm |
| Degree of protection | | IP66 |
| Cable entry | | thru-holes direct through body |
| Cable entry face B | | |
| M25 quantity | | 1 |
| M25 series | | Cable Glands, Plastic |
| M25 type | | CG.PEDS1.M25.* |
| M25 clamping range | | 9 ... 17 mm |
| Defined entry area | | face B |
| Material | | |
| Enclosure | | 1.5 mm AISI 316L, (1.4404) stainless steel |
| Finish | | brushed |
| Seal | | one piece closed cell silicone |
| Mass | | approx. 1.3 kg |
| Dimensions | | |
| External dimension (A) | | 182 mm |
| External dimension (B) | | 116 mm |
| External dimension (C) | | 87 mm |
| External dimension with operating element (C1) | | 129 mm |
| External dimension with screws (C2) | | 92 mm |
| Mounting holes distance (G) | | 121 mm |
| Mounting holes distance (H) | | 130 mm |
| Mounting holes diameter (J) | | 6.1 mm |
| Thickness of mounting brackets (N) | | 1.5 mm |
| Maximum external dimension (K) | | 145 mm |
| Tightening torque | | |
| Nut torque at enclosure (SW1) | | see datasheets of cable glands |
| Mounting | | 4 screws |
| Grounding | | M6 internal/external brass nickel-plated grounding bolt |
| **Ambient conditions** | | |
| Ambient temperature | | -40 ... 55 °C (-40 ... 131 °F) @ T4<br>-40 ... 40 °C (-40 ... 104 °F) @ T6 |
| **Data for application in connection with hazardous areas** | | |
| EU-type examination certificate | | CML 16 ATEX 3009X |
| Marking | | Ⓔx II 2 GD<br>Ex db eb IIC T* Gb<br>Ex tb IIIC T** °C Db<br>T4/T130 °C @ Ta +55 °C<br>( T6/T80 °C @ Ta +40 °C on request ) |
| **International approvals** | | |
| IECEx approval | | IECEx CML 16.0008X |
| UKCA approval | | CML 22 UKEX 2550X |
| Further approvals | | further on request |
| **Conformity** | | |
| Degree of protection | | EN60529 |
| Usage category | | IEC / EN 60947 |
| CE marking | | 0080 or 0102, see type label |
| **General information** | | |

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## Technical Data

| | | |
|---|---|---|
| Ordering information | | This device will be delivered completely configured and assembled ready for use. For configuration details please contact Customer Service. |
| 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<br>engraved AISI 316L stainless steel tag label<br>color in-fill stainless steel tag label<br>M6 internal/external stainless steel grounding bolt |

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