



## Control Unit Ex e, Stainless Steel, Control Switch

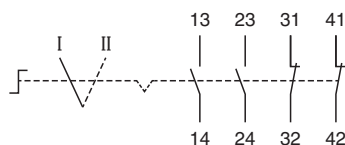
LCS2.4P.S201X.F.1

- Large control switch, 2 position - 2x NO / 2x NC - labeling 'I - II'
- Stainless Steel enclosure
- Ex de and Ex tb certified
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Bottom face cable gland polyamide, 1x M25
- Degree of protection IP66

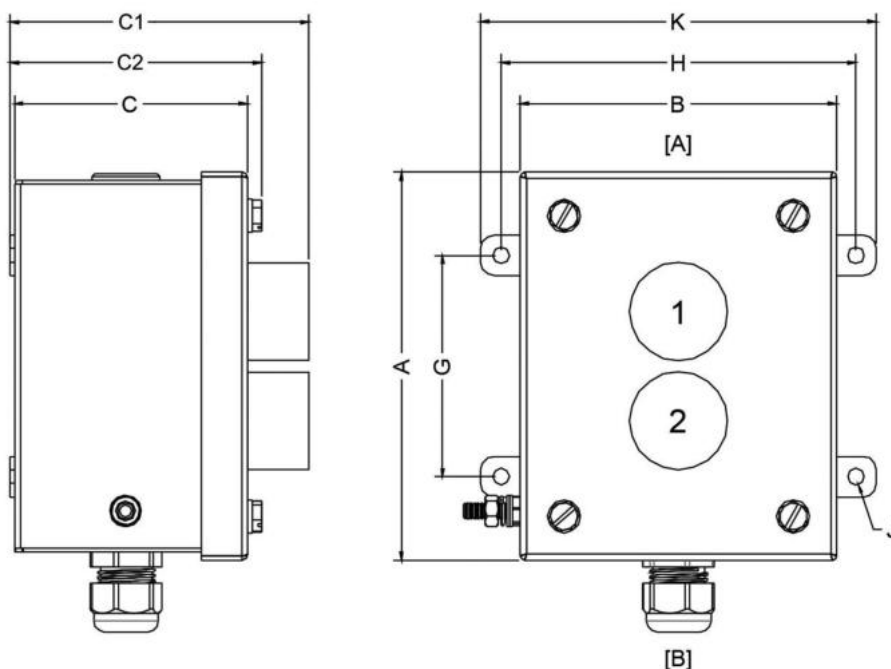


### Connection

|    | 13 | 23 | 31 | 41 |
|----|----|----|----|----|
| I  |    |    | X  | X  |
| II | X  | X  |    |    |
|    | 14 | 24 | 32 | 42 |



## 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 <sup>2</sup>   |
| Terminal torque   | 0.8 Nm                |
| Function          | control switch, large |
| Color             | black                 |

## Technical Data

|                                                                |                                                                                                                              |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Shroud                                                         | yes                                                                                                                          |
| Contact configuration                                          | 2x NO / 2x NC<br>all NC contacts have a direct opening action for emergency stop functions                                   |
| Switching configuration                                        | 2 position changeover                                                                                                        |
| Usage category                                                 | AC12 - 12 ... 250 V AC - 16 A<br>AC15 - 12 ... 250 V AC - 10 A<br>DC13 - 12 ... 110 V DC - 1 A<br>DC13 - 12 ... 24 V DC - 1A |
| Number of poles                                                | 4                                                                                                                            |
| Operator action                                                | engage - engage                                                                                                              |
| Labeling                                                       | I - II                                                                                                                       |
| <b>Mechanical specifications</b>                               |                                                                                                                              |
| Enclosure range                                                | LCS                                                                                                                          |
| Enclosure cover                                                | fully detachable                                                                                                             |
| Cover fixing                                                   | stainless steel A4 (V4A) hexagonal head screws                                                                               |
| Screws                                                         | M6                                                                                                                           |
| Number                                                         | 4                                                                                                                            |
| Tightening torque                                              | 2 Nm                                                                                                                         |
| Degree of protection                                           | IP66                                                                                                                         |
| Cable entry face B                                             |                                                                                                                              |
| M25 quantity                                                   | 1                                                                                                                            |
| M25 series                                                     | Cable Glands, Plastic                                                                                                        |
| M25 type                                                       | CG.PEDS1.M25.*                                                                                                               |
| M25 clamping range                                             | 10 ... 18 mm                                                                                                                 |
| Defined entry area                                             | face B                                                                                                                       |
| Material                                                       |                                                                                                                              |
| Enclosure                                                      | 1.5 mm AISI 316L, (1.4404) stainless steel                                                                                   |
| Finish                                                         | electropolished                                                                                                              |
| Seal                                                           | one piece closed cell silicone                                                                                               |
| Mass                                                           | 1 kg                                                                                                                         |
| Dimensions                                                     |                                                                                                                              |
| Height (A)                                                     | 142 mm                                                                                                                       |
| Width (B)                                                      | 116 mm                                                                                                                       |
| Depth (C)                                                      | 85.5 mm                                                                                                                      |
| External dimension with operating element (C1)                 | 126 mm                                                                                                                       |
| External dimension with screws (C2)                            | 92.2 mm                                                                                                                      |
| Mounting holes distance (G)                                    | 81 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                                                                                    |
| <b>Ambient conditions</b>                                      |                                                                                                                              |
| Ambient temperature                                            | -40 ... 55 °C (-40 ... 131 °F) @ T4<br>-40 ... 40 °C (-40 ... 104 °F) @ T6                                                   |
| <b>Data for application in connection with hazardous areas</b> |                                                                                                                              |
| EU-type examination certificate                                | CML 16 ATEX 3009X                                                                                                            |
| Marking                                                        | Ⓔ II 2 GD<br>Ex db eb mb IIC T* Gb<br>Ex tb IIC T** °C Db<br>T6/T80 °C @ Ta +40 °C<br>T4/T130 °C @ Ta +55 °C                 |
| <b>International approvals</b>                                 |                                                                                                                              |
| IECEx approval                                                 | IECEx CML 16.0008X                                                                                                           |

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

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## Technical Data

|                            |                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UKCA approval              | CML 22 UKEX 2550X                                                                                                                                                                                                                                            |
| Further approvals          | on request: CCC, ECAS, IA                                                                                                                                                                                                                                    |
| <b>Conformity</b>          |                                                                                                                                                                                                                                                              |
| Degree of protection       | EN 60529                                                                                                                                                                                                                                                     |
| Usage category             | IEC / EN 60947                                                                                                                                                                                                                                               |
| CE marking                 | 0080 or 0102, see type label                                                                                                                                                                                                                                 |
| <b>General information</b> |                                                                                                                                                                                                                                                              |
| 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 <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> . |
| <b>Accessories</b>         |                                                                                                                                                                                                                                                              |
| 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                                                                              |