



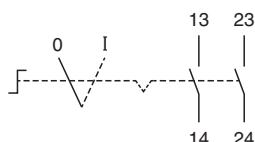
## Control Unit Ex e, GRP, Control Switch LCP1.N1OX.B.1

- Small control switch, 2 position with left OFF - 2x NO - labeling '0 - I'
- Glass-fiber reinforced polyester (GRP) 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

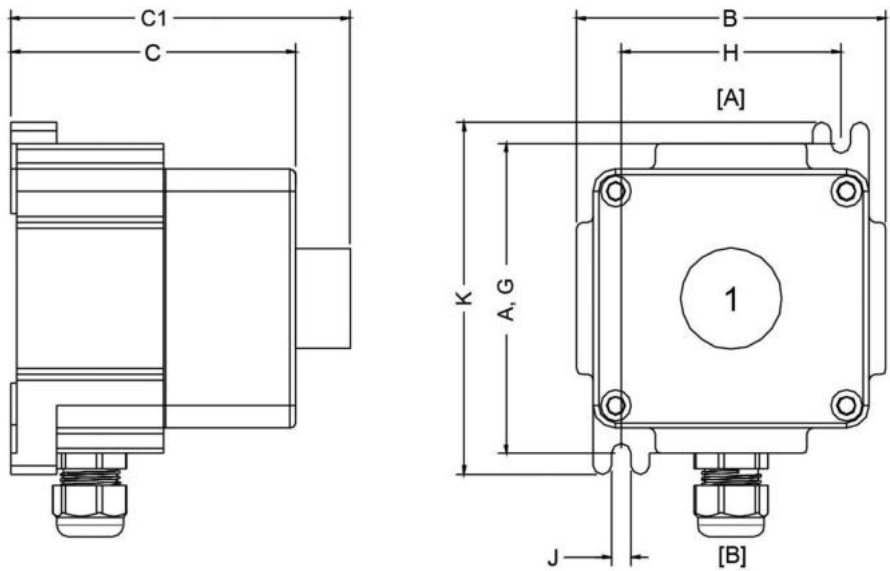


### Connection

|   |    |    |
|---|----|----|
|   | 13 | 23 |
| 0 |    |    |
| I | X  | X  |
|   | 14 | 24 |



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                      |
| 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>                 |
| Function                  | control switch, small               |
| Color                     | black                               |
| Contact configuration     | 2x NO                               |
| Switching configuration   | 2 position changeover with left OFF |

## Technical Data

|                                                                |                                                                                                                              |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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                                                | 2                                                                                                                            |
| Operator action                                                | engage - engage                                                                                                              |
| Labeling                                                       | 0 - I                                                                                                                        |
| <b>Mechanical specifications</b>                               |                                                                                                                              |
| Enclosure range                                                | LCP                                                                                                                          |
| Enclosure cover                                                | fully detachable                                                                                                             |
| Cover fixing                                                   | stainless steel socket cap 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.PEDS1.M20.*                                                                                                               |
| M20 clamping range                                             | 6 ... 12 mm                                                                                                                  |
| Defined entry area                                             | face A and face B                                                                                                            |
| Material                                                       |                                                                                                                              |
| Enclosure                                                      | carbon loaded, antistatic glass-fiber reinforced polyester (GRP)                                                             |
| Finish                                                         | inherent color black                                                                                                         |
| Seal                                                           | one piece closed cell silicone                                                                                               |
| Mass                                                           | 1.5 kg                                                                                                                       |
| Dimensions                                                     |                                                                                                                              |
| Height (A)                                                     | 110 mm                                                                                                                       |
| Width (B)                                                      | 110 mm                                                                                                                       |
| Depth (C)                                                      | 101 mm                                                                                                                       |
| External dimension with operating element (C1)                 | 131 mm                                                                                                                       |
| Mounting holes distance (G)                                    | 110 mm                                                                                                                       |
| Mounting holes distance (H)                                    | 78 mm                                                                                                                        |
| Mounting holes diameter (J)                                    | 7 mm                                                                                                                         |
| Maximum external dimension (K)                                 | 125 mm                                                                                                                       |
| Tightening torque                                              |                                                                                                                              |
| Nut torque at enclosure (SW1)                                  | see datasheets of cable glands                                                                                               |
| Grounding                                                      | 2.5 mm <sup>2</sup> grounding terminal                                                                                       |
| <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 IIIC 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                                                                                                           |
| UKCA approval                                                  | CML 22 UKEX 2550X                                                                                                            |

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

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 **PEPPERL+FUCHS**

Technical Data

|                            |  |                                                                                                                                                                                                                                                              |
|----------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                     |

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