



## Control Unit Ex e, Panel Mount, Pushbutton

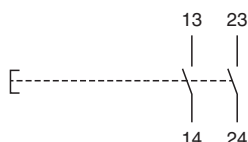
PMP.DZ3.C.20

- Double pushbutton, inserts with labeling: red '0', green 'I', black 'I', blue 'RESET'; without: white, amber - 2x NO
- Ex de and Ex tb certified
- Full equipment certified
- Polyamide housing for panel mount
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Cable Gland M20 integrated in protective cover
- Degree of protection IP66

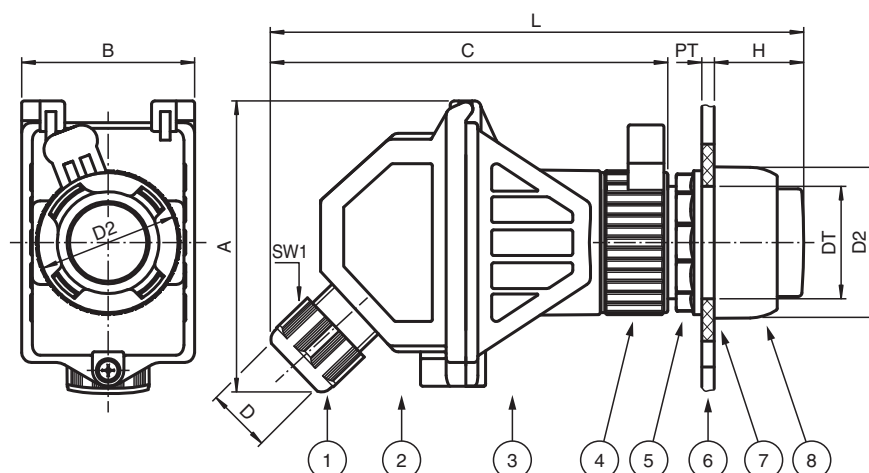


### Connection

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



### Dimensions



Release date: 2023-04-17 Date of issue: 2023-04-17 Filename: 297350\_eng.pdf

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

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PEPPERL+FUCHS

## Dimensions

Details see data table

| Legend |                                       |
|--------|---------------------------------------|
| 1      | Cable gland                           |
| 2      | Protective cover                      |
| 3      | Contact module                        |
| 4      | Bayonet catch                         |
| 5      | Locknut                               |
| 6      | Panel / enclosure wall                |
| 7      | Flat gasket                           |
| 8      | Actuator head                         |
|        |                                       |
| A      | Height                                |
| B      | Width                                 |
| C      | Depth                                 |
| D      | Clamping range, cable sheath diameter |
| DT     | Diameter thru-hole                    |
| D2     | Outer diameter actuator head          |
| H      | Length outside enclosure              |
| L      | Total length                          |
| PT     | Panel / enclosure wall thickness      |

## Technical Data

### Electrical specifications

|                       |                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage     | 250 V max.                                                                                                                   |
| Operating current     | 16 A max.                                                                                                                    |
| Terminal capacity     | 2x 2.5 mm <sup>2</sup>                                                                                                       |
| Terminal torque       | 0.8 Nm                                                                                                                       |
| Function              | double pushbutton                                                                                                            |
| Color                 | selection of red '0', green 'I', black 'I', blue 'RESET', white, amber                                                       |
| Contact configuration | 2x NO                                                                                                                        |
| 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       | spring return                                                                                                                |

### Mechanical specifications

|                         |                                        |
|-------------------------|----------------------------------------|
| Cable type              | non-armored cables                     |
| Clamping range (D)      | 5.5 ... 13 mm (D)                      |
| Covering                | Protective cover<br>fully detachable   |
| Cover fixing            | Phillips head screw                    |
| Degree of protection    | IP66                                   |
| Cable entry             |                                        |
| Number of cable entries | 1x M20 cable gland in protective cover |
| Material                |                                        |
| Housing                 | Polyamide (PA)                         |
| Finish                  | inherent color black                   |
| Seal                    | silicone                               |
| Washer gasket           | silicone                               |
| Mass                    | 150 g max.                             |

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## Technical Data

|                                                                |  |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>                                              |  |                                                                                                                                                                                                                                                              |
| Height (A)                                                     |  | 77 mm (A)                                                                                                                                                                                                                                                    |
| Width (B)                                                      |  | 44 mm (B)                                                                                                                                                                                                                                                    |
| Depth (C)                                                      |  | 105 mm (C)                                                                                                                                                                                                                                                   |
| Actuator head diameter (D2)                                    |  | 70 mm x 39 mm                                                                                                                                                                                                                                                |
| Panel wall thickness (PT)                                      |  | 1 ... 6 mm (PT)                                                                                                                                                                                                                                              |
| Diameter thru-hole (DT)                                        |  | 30.6 mm (DT)                                                                                                                                                                                                                                                 |
| Length outside enclosure (H)                                   |  | 15.5 mm (H)                                                                                                                                                                                                                                                  |
| Width across flats (SW1)                                       |  | 24 mm (SW1)                                                                                                                                                                                                                                                  |
| Total length (L)                                               |  | 128 mm (L)                                                                                                                                                                                                                                                   |
| <b>Tightening torque</b>                                       |  |                                                                                                                                                                                                                                                              |
| Nut torque at enclosure (SW1)                                  |  | 2 Nm (SW1)                                                                                                                                                                                                                                                   |
| Mounting                                                       |  | via actuator head                                                                                                                                                                                                                                            |
| <b>Ambient conditions</b>                                      |  |                                                                                                                                                                                                                                                              |
| Ambient temperature                                            |  | -40 ... 50 °C (-40 ... 122 °F)                                                                                                                                                                                                                               |
| <b>Data for application in connection with hazardous areas</b> |  |                                                                                                                                                                                                                                                              |
| EU-type examination certificate                                |  | CML 16 ATEX 3106X                                                                                                                                                                                                                                            |
| Marking                                                        |  | Ⓔ II 2 GD<br>Ex de IIC T6 Gb<br>Ex tb IIIC T80 °C Db                                                                                                                                                                                                         |
| <b>International approvals</b>                                 |  |                                                                                                                                                                                                                                                              |
| IECEx approval                                                 |  | IECEx CML 16.0046X                                                                                                                                                                                                                                           |
| UKCA approval                                                  |  | CML 21 UKEX 21275X                                                                                                                                                                                                                                           |
| <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> . |