

Part no. Article no.

#### C22-PVT-K02-P62 185176



### **Delivery program**

| Delivery program   |    |    |  |
|--|----|----|--|
| Product range  |    |    | RMQ compact solution                                       |
| Basic function   |    |    | Controlled stop pushbuttons/emergency-stop buttons         |
| Single unit/Complete unit  |    |    | Complete unit  |
| Design   |    |    | Mushroom-shaped  |
| Diameter   | Ø  | mm | 38   |
| Illumination   |    |    | Non-illuminated Turn-to-release function                   |
| Connection type  |    |    | Cable (black) with non-terminated end, 4 pole              |
| Cable Length   |    | m  | 1  |
| Description  |    |    | Tamper-proof according to ISO 13850, EN 418                |
| Colour   |    |    |  |
| Mushroom head  |    |    | Red  |
|  |    |    |  |
| Base   |    |    | yellow   |
| Degree of Protection   |    |    | IP66, IP67, IP69K (front)<br>IP65 (on rear)                |
| Connection to SmartWire-DT   |    |    | no   |
| Contacts   |    |    |  |
| N/C = Normally closed  |    |    | 2 NC →   |
| Notes  |    |    | e safety function, by positive opening to IEC/EN 60947-5-1 |
| Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 |    |    |  |
|  | mm |    | 4.65   |
| Maximum travel   | mm |    | 5.7  |
| Minimum force for positive opening                                   | N  |    | 30   |
| Contact sequence   |    |    | BN WH  L  BK BU  |
| Contact travel = Contact closed = Contact open                       |    |    |  |
| Contact diagram  |    |    | 0 2.2 5.5<br>Zw = 4.5 mm                                   |

# **Technical data**

#### General

| Standards | IEC/EN 60947-5-5 |
|-----------|------------------|
|           | VDE 0660         |

| Actuating force  Ingitening torque Threaded ring  Ingitening to Economics The South Threaded Ring  Ingitening to Economics Threaded  Ingitening to Economics Threade                     |   |                |      |  |
|--|---|----------------|------|--|
|  | Operating frequency                               | Operations/h   |      | ≦ <sub>300</sub>   |
| Climatic profiting  Degree of Protection  De                     | Actuating force                                   |                | n    | ≦ <sub>50</sub>  |
| Degree of Protection         Feet Protection         PB66, IP67, IP68K (front)   IP66 (norm)           Mounting position         4 a required           Mechanical shock resistance, shock duration 11 ms         9 3         30           Sontacts           Sated insulator voltage         Vac         4000           Develope category/pollution degree         Uimp         VAC         4000           Control circuit treliability         417 V DC/7 mA         HF         Yes         Accontact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations           Max. short-circuit protective device         g. A         4         4           Fuse         g6/gL         A         4         4           Rated operational current         g. A         4         4         4           Note that operational current         g. A         4  | Tightening torque Threaded ring                   |                | Nm   | 2  |
| Mounting position  | Climatic proofing                                 |                |      | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30   |
| Mechanical shock resistance, shock duration 11 ms  Contacts  Rated impulse withstand voltage  Vimp VAC Vorvoltage category/pollution degree  Control circuit reliability  At 17 V DC/7 mA  Max. short-circuit protective device  Fuse  Gef/gL  At 2  Rated conditional short-circuit current  Rated operational current  AC-15  24 V  BC-13  24 V  BC-13  24 V  BC-13  24 V  BC-13  25 V  Contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Control circuit reliability  AC-15  Control circuit reliability  BC-13  Control circuit current  BC-14  Control circuit current  BC-15  Control circuit reliability  BC-16  Control circuit reliability  Control circuit statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Control circuit reliability  Control circuit reliabili | Degree of Protection                              |                |      |  |
| Contacts Rated impulse withstand voltage Rated insulation voltage Overvoltage category/pollution degree Control circuit reliability At 17 V DC/7 mA HF Fuse Rated conditional short-circuit current Rated operational current Rate                     | Mounting position                                 |                |      | As required  |
| Rated impulse withstand voltage  Rated insulation voltage  Control circuit reliability  At 17 V DC/7 mA  Max. short-circuit protective device  Fuse  Gaded operational current  Rated operational current  AC-15  24 V  AC-16  DC-13  24 V  AC-18  Cable characteristics  Design  Cable Length  Material characteristic  AC-16  AC-16  AC-16  AC-16  AC-17  AC-18  AC-18  AC-18  AC-19  AC-1                     | Mechanical shock resistance, shock duration 11 ms |                | g    | > 30   |
| Rated insulation voltage  Overvoltage category/pollution degree  Control circuit reliability  At 17 V DC/7 mA  HF  N/C contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Max. short-circuit protective device  Fuse  gG/gL  A  4  Rated conditional short-circuit current  lq  kA  1  Switching capacity  Rated operational current  AC-15  24 V  le  AC-15  24 V  le  AC-13  24 V  le  AC-16  DC-13  24 V  le  AC-16  Cable characteristics  Design  Cable Length  Material characteristic  Material characteristic  PUR  | Contacts  |                |      |  |
| Overvoltage category/pollution degree  Control circuit reliability  At 17 V DC/7 mA  HF  N/C contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Max. short-circuit protective device  Fuse  gG/gL  A  4  Rated conditional short-circuit current  lq  kA  1  Switching capacity  Rated operational current  AC-15  24 V  le  AC-15  24 V  le  AC-15  24 V  DC-13  24 V  Cable characteristics  Design  Cable Length  Material characteristic  PUR   | Rated impulse withstand voltage                   | $U_{imp}$      | V AC | 4000   |
| Control circuit reliability At 17 V DC/7 mA HF N/C contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Max. short-circuit protective device Fuse g6/gL Rated conditional short-circuit current lq kA 1  Switching capacity  Rated operational current le AC-15 24 V le AC-15 24 V le AC-13 24 V le AC-13 Cable characteristics  Design Cable Length Material characteristic  Design Material characteristic  Material characteristic  PUR  | Rated insulation voltage                          | Ui             | V    | 250  |
| HF N/C contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations  Max. short-circuit protective device  Fuse gG/gL A 4  Rated conditional short-circuit current  Switching capacity  Rated operational current  AC-15 24 V le A 4  DC-13 24 V le A 4  Cable characteristics  Design  Cable Length  Material characteristic  Material characteristic  Material characteristic  PUR   | Overvoltage category/pollution degree             |                |      | III/3  |
| Fuse gG/gL A 4 Rated conditional short-circuit current Iq kA 1  Switching capacity Rated operational current Ie AC-15 24 V Ie A 4  DC-13 24 V Ie A 3  Cable characteristics  Design Cable Length Material characteristic  Material characteristic  PUR   | Control circuit reliability                       |                |      |  |
| Fuse         gG/gL         A         4           Rated conditional short-circuit current         Iq         kA         1           Switching capacity         Testional current         Ie         A         A         Ie         Ie <th< td=""><td>At 17 V DC/7 mA</td><td>H<sub>F</sub></td><td></td><td>N/C contact: statistically determined 1 failure per <math>0.9 \times 10^6</math> Operations</td></th<>   | At 17 V DC/7 mA                                   | H <sub>F</sub> |      | N/C contact: statistically determined 1 failure per $0.9 \times 10^6$ Operations |
| Rated conditional short-circuit current  Switching capacity  Rated operational current  AC-15  24 V  | Max. short-circuit protective device              |                |      |  |
| Switching capacity           Rated operational current         I <sub>e</sub> A         I <sub>e</sub> I <sub></sub>   | Fuse  | gG/gL          | Α    | 4  |
| AC-15 AC-15 Quant Part Part Part Part Part Part Part Par   | Rated conditional short-circuit current           | Iq             | kA   | 1  |
| AC-15 AC-15 Quant Part Part Part Part Part Part Part Par   | Switching capacity                                |                |      |  |
| 24 VIeA4DC-13TT24 VIeA3Cable characteristicsTCable end openDesignTTCable end openCable LengthTTMaterial characteristicTPUR   | Rated operational current                         | l <sub>e</sub> | Α    |  |
| DC-13  24 V  Le A 3  Cable characteristics  Design Cable Length Material characteristic  PUR   | AC-15   |                |      |  |
| 24 V le A 3 Cable characteristics  | 24 V  | Ie             | Α    | 4  |
| Cable characteristics  Design Cable Length Material characteristic  Design PUR   | DC-13   |                |      |  |
| Design     Cable end open       Cable Length     m     1       Material characteristic     PUR   | 24 V  | l <sub>e</sub> | Α    | 3  |
| Cable Length m 1  Material characteristic PUR  | Cable characteristics                             |                |      |  |
| Material characteristic PUR  | Design  |                |      | Cable end open   |
|  | Cable Length                                      |                | m    | 1  |
| Diameter Ø mm 4.7  | Material characteristic                           |                |      | PUR  |
|  | Diameter  | Ø              | mm   | 4.7  |

# Design verification as per IEC/EN 61439

| Technical data for design verification |    |     |
|--|----|-----|
| Operating ambient temperature min.     | °C | -25 |
| Operating ambient temperature max.     | °C | 70  |

#### **Technical data ETIM 6.0**

Low-voltage industrial components (EG000017) / Emergency stop complete (EC002034)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / EMERGENCY-STOP pushbutton, complete device (ecl@ss8.1-27-37-12-44 [ACN986008])

|    | Turn unlatching mechanism |
|----|---------------------------|
|    | 2                         |
|    | 0                         |
|    | -                         |
|    | Built-in                  |
|    | No                        |
| mm | 22                        |
|    | -                         |
| mm | 38                        |
|    |                           |

### **Dimensions**

