

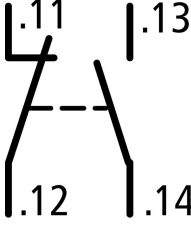






Part no. C22-PVS45P-MS1-K11  
 Article no. 121618  
 Catalog No. C22-PVS45P-MS1-K11

## Delivery programme

|  |  |    |  |
|--|--|----|--|
| Description  |  |    | Lock mechanism MS1   |
| Colour   |  |    | Red mushroom head (RAL 3000)   |
| Function   |  |    | Key operation lock mechanism   |
| Contacts   |  |    |  |
| N/O = Normally open  |  |    | 1 N/O  |
| N/C = Normally closed  |  |    | 1 NC    |
| Notes  |  |    |  = safety function, by positive opening to IEC/EN 60947-5-1 |
| Contact sequence   |  |    |    |
| Protection type  |  |    | IP67, IP69K  |
| Illumination   |  |    | Without illumination   |
| Information about equipment supplied   |  |    | 1 key included as standard   |
| Diameter   |  | mm | 45   |
| Contact travel  = Contact closed  = Contact open |  |    |  |
| Contact diagram  |  |    |    |



## Approvals

### Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-10; CAN/CSA-C22.2 No. 94.2-07;  
 UL991 Edition 3 -Revision Date 2010/06/09; ANSI/UL508; ANSI/UL508; ANSI/NFPA 79;  
 CE marking  
 E340496  
 NISD  
 2351467 (LR12528)  
 3211-08  
 UL listed, CSA certified  
 1,3R,4X,12,13

UL File No.  
 UL Category Control No.  
 CSA File No.  
 CSA Class No.  
 North America Certification  
 Degree of Protection

## General

|   |                  |                      |   |
|---|------------------|----------------------|---|
| Standards   |                  |                      | IEC/EN 60947<br>VDE 0660  |
| Lifespan, mechanical                              | Operations       | x<br>10 <sup>6</sup> | > 0.05  |
| Operating frequency                               | Operations/<br>h |                      |  300 |
| Actuating force                                   |                  | n                    |  50  |
| Tightening torque for terminal screw              |                  | Nm                   | 0.8   |
| Tightening torque Threaded ring                   |                  | Nm                   | 2   |
| Protection type                                   |                  |                      | IP67, IP69K   |
| Climatic proofing                                 |                  |                      | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30          |
| Ambient temperature                               |                  | °C                   |   |
| Open  |                  | °C                   | -25 - +70   |
| Storage   | θ                | °C                   | -30 - +80   |
| Mounting position                                 |                  |                      | As required   |
| Mechanical shock resistance, shock duration 11 ms |                  | g                    | 30  |

|                       |  |                 |               |
|-----------------------|--|-----------------|---------------|
| Terminal capacities   |  | mm <sup>2</sup> |               |
| Solid                 |  | mm <sup>2</sup> | 2 x 0.5 - 1.5 |
| Flexible with ferrule |  | mm <sup>2</sup> | 2 x 0.5 - 1.5 |

## Contacts

|                                       |           |                   |   |
|---------------------------------------|-----------|-------------------|---|
| Rated impulse withstand voltage       | $U_{imp}$ | V<br>AC           | 4000  |
| Rated insulation voltage              | $U_i$     | V                 | 250   |
| Overvoltage category/pollution degree |           |                   | III/3   |
| Control circuit reliability           |           |                   |   |
| At 17 V DC/7 mA                       | $H_F$     | Fault probability | N/O contact: statistically determined 1 failure per $17 \times 10^6$ operations<br>N/C contact: statistically determined 1 failure per $0.9 \times 10^6$ Operations |
| Max. short-circuit protective device  |           |                   |   |
| Fuse                                  | gG/gL     | A                 | 10  |

## Switching capacity

|                           |            |               |     |
|---------------------------|------------|---------------|-----|
| Rated operational current | $I_e$      | A             |     |
| AC-15                     |            |               |     |
| 24 V                      | $I_e$      | A             | 4   |
| 110 V                     | $I_e$      | A             | 2   |
| 220 V 230 V 240 V         | $I_e$      | A             | 1.5 |
| DC-13                     |            |               |     |
| 24 V                      | $I_e$      | A             | 3   |
| 60 V                      | $I_e$      | A             | 1   |
| 110 V                     | $I_e$      | A             | 0.6 |
| 220 V                     | $I_e$      | A             | 0.3 |
| Lifespan, electrical      |            |               |     |
| AC-15                     |            |               |     |
| 230 V/0.5 A               | Operations | $\times 10^6$ | 0.4 |
| 230 V/1.0 A               | Operations | $\times 10^6$ | 0.6 |

## Dimensions

