



**Changeover switch, classic, with thumb-grip, maintained, 2 positions, 1 N/C, 1 N/O, cable (black) with non-terminated end, 4 pole, 1 m**



Powering Business Worldwide™

**Part no. C22-WRK-K11-P62**  
**Catalog No. 186164**

## Delivery program

|   |    |   |  |
|---|----|---|--|
| Product range   |    |   | RMQ compact solution                                       |
| Basic function  |    |   | Selector switch actuators                                  |
| Single unit/Complete unit   |    |   | Complete unit  |
| Design  |    |   | With thumb-grip<br>maintained                              |
| <b>Function:</b>  |    |   |  |
|   |    |   | 60°  |
| Connection type   |    |   | Cable (black) with non-terminated end, 4 pole              |
| Cable Length  |    | m | 1  |
|   |    |   | 2 positions  |
| Degree of Protection  |    |   | IP66 (front)<br>IP65 (on rear)                             |
| Front ring  |    |   | Bezel: titanium  |
| Connection to SmartWire-DT  |    |   | no   |
| <b>Contacts</b>   |    |   |  |
| N/C = Normally closed   |    |   | 1 NC   |
| N/O = Normally open   |    |   | 1 N/O  |
| Notes   |    |   | = safety function, by positive opening to IEC/EN 60947-5-1 |
| <b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b> |    |   |  |
|   | mm |   | 4.65   |
| Maximum travel  | mm |   | 5.7  |
| Minimum force for positive opening  | N  |   | 20   |
| Contact sequence  |    |   |  |
| <b>Contact travel  = Contact closed  = Contact open</b>                     |    |   |  |
| Contact diagram   |    |   |  |
| Positive opening (ZW)   |    |   | yes  |

## Technical data


|                |  |  |                              |
|----------------|--|--|------------------------------|
| <b>General</b> |  |  |                              |
| Standards      |  |  | IEC/EN 60947-5-1<br>VDE 0660 |
| Certifications |  |  | CE, UL, CSA                  |

|   |              |  |  |
|---|--------------|--|--|
| Operating frequency                               | Operations/h |  | 2000   |
| Operating torque                                  | Nm           |  | 0.3  |
| Tightening torque Threaded ring                   | Nm           |  | 2  |
| Climatic proofing                                 |              |  | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| Degree of Protection                              |              |  | IP66 (front)<br>IP65 (on rear)   |
| Mounting position                                 |              |  | As required  |
| Mechanical shock resistance, shock duration 11 ms | g            |  | > 30   |

### Contacts

|   |           |      |   |
|---|-----------|------|---|
| Rated impulse withstand voltage         | $U_{imp}$ | V AC | 4000  |
| Rated insulation voltage                | $U_i$     | V    | 250   |
| Overtoltage category/pollution degree   |           |      | III/3   |
| Control circuit reliability             |           |      |   |
| At 17 V DC/7 mA                         | $H_f$     |      | 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    | 4   |
| Rated conditional short-circuit current | $I_q$     | kA   | 1   |

### Switching capacity

|                           |   |    |                |
|---------------------------|---|----|----------------|
| Rated operational current | $I_e$   | A  |                |
| AC-15                     |   |    |                |
| 24 V                      | $I_e$   | A  | 4              |
| DC-13                     |   |    |                |
| 24 V                      | $I_e$   | A  | 3              |
| Cable characteristics     |   |    |                |
| Design                    |   |    | Cable end open |
| Cable Length              |   | m  | 1              |
| Material characteristic   |   |    | PUR            |
| Diameter                  |  | mm | 4.7            |

### Design verification as per IEC/EN 61439

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

### Technical data ETIM 6.0

|   |  |    |        |
|---|--|----|--------|
| Low-voltage industrial components (EG000017) / Selector switch, complete (EC001029)   |  |    |        |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ecl@ss8.1-27-37-12-43 [ACN984008]) |  |    |        |
| Number of switch positions  |  |    | 2      |
| Type of control element   |  |    | Toggle |
| Suitable for illumination   |  |    | No     |
| With lamp   |  |    | No     |
| Colour button   |  |    | Black  |
| Hole diameter   |  | mm | 22     |
| Width opening   |  | mm | 0      |
| Height meter opening  |  | mm | 0      |
| Switching function latching   |  |    | Yes    |
| Spring-return   |  |    | No     |
| Degree of protection (IP)   |  |    | IP66   |
| Supply voltage  |  | V  | 0 - 0  |
| Number of contacts as normally open contact   |  |    | 1      |
| Number of contacts as normally closed contact   |  |    | 1      |
| Number of contacts as change-over contact   |  |    | 0      |

|                             |         |
|-----------------------------|---------|
| Type of electric connection | -       |
| With front ring             | Yes     |
| Material front ring         | Plastic |
| Colour front ring           | -       |

## Dimensions

