

Changeover selector switch, classic, with thumb-grip, momentary, 2 positions, 1 N/C, 1 N/O, cable (black) with non-terminated end, 4 pole, 1 m  $^{\circ}$ 



Part no. C22-WK-K11-P62

**Catalog No.** 186159

| ADIIVORY DECARAM  |    |   |  |
|---|----|---|--|
| Delivery program  Product range   |    |   | RMQ compact solution                                       |
| easic function  |    |   | Selector switch actuators                                  |
| ingle unit/Complete unit  |    |   | Complete unit  |
| lesign  |    |   |  |
| esigii  |    |   | With thumb-grip  |
| Constant  |    |   | momentary  |
| unction:  |    |   |  |
|   |    |   | . <sup>3</sup> 40°   |
| connection type   |    |   | Cable (black) with non-terminated end, 4 pole              |
| able Length   |    | m | 1  |
|   |    |   | 2 positions  |
| legree of Protection  |    |   | IP66 (front)<br>IP65 (on rear)                             |
| ront ring   |    |   | Bezel: titanium  |
| connection to SmartWire-DT  |    |   | no   |
| Contacts  |    |   |  |
| 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 |
| Actuator travel and actuation force as per DIN EN 60947-5-1,<br>C.5.4.1 |    |   |  |
|   | mm |   | 4.65   |
| Maximum travel  | mm |   | 5.7  |
| Minimum force for positive opening                                      | N  |   | 20   |
| ontact sequence   |    |   | BN WH  I L  BK BU  |
| Contact travel = Contact closed = Contact open                          |    |   |  |
| Contact diagram   |    |   | 3.15<br>0 2.2 5.5<br>Zw = 4.5 mm                           |
| ositive opening (ZW)  |    |   | yes  |

# Technical data General

| delicital      |                              |
|----------------|------------------------------|
| 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 <sub>imp</sub> | V AC | 800  |
| Rated insulation voltage                          | $U_{i}$          | V    | 30   |
| Overvoltage category/pollution degree             |                  |      | III/3  |
| Control circuit reliability                       |                  |      |  |
| At 17 V DC/7 mA                                   | H <sub>F</sub>   |      | N/O contact: statistically determined 1 failure per 17 $\times$ 106 operations N/C contact: statistically determined 1 failure per 0.9 $\times$ 10 <sup>6</sup> Operations |
| Max. short-circuit protective device              |                  |      |  |
| Fuse  | gG/gL            | Α    | 4  |
| Rated conditional short-circuit current           | $I_q$            | kA   | 1  |
| Switching capacity                                |                  |      |  |
| Rated operational current                         | l <sub>e</sub>   | Α    |  |
| AC-15   |                  |      |  |
| 24 V  | I <sub>e</sub>   | Α    | 4  |
| DC-13   |                  |      |  |
| 24 V  | I <sub>e</sub>   | Α    | 3  |
| Cable characteristics                             |                  |      |  |
| Design  |                  |      | Cable end open   |
| Cable Length                                      |                  | m    | 1  |
| 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

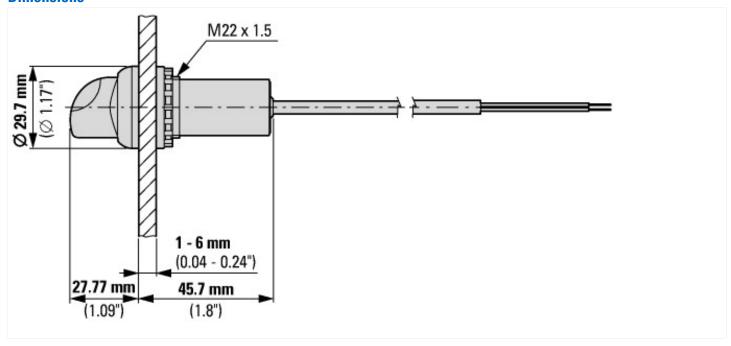
| Low-voltage industrial components ( | FG000017) | / Selector switch | complete | FC001029 | 1 |
|-------------------------------------|-----------|-------------------|----------|----------|---|
|                                     |           |                   |          |          |   |

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])

| Toggle Suitable for illumination  With lamp  Colour button  Hole diameter  Midth opening  Height meter opening  Switching function latching  Spring-return  Degree of protection (IP)  Supply voltage  V  Wumber of contacts as normally closed contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  No  No  Toggle  No  No  2  No  9  No  9  1  1  1  1  Number of contacts as change-over contact  No  1  1  Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  No  No  1  1  1  1  1  1  1  1  1  1  1  1  1   | [ACN984008])                                  |   |    |        |
|--|---|---|----|--------|
| Suitable for illumination  With lamp Colour button Colour button Midth opening Height meter opening Midth opening  | Number of switch positions                    |   |    | 2      |
| With lamp Colour button Black Hole diameter mm 22 Width opening mm 0 Height meter opening mm 0 Switching function latching Switching function latching Spring-return Ves Degree of protection (IP) Supply voltage V 0 - 0 Number of contacts as normally closed contact Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  No  No  No  No  No  No  No  No  No  N   | Type of control element                       |   |    | Toggle |
| Colour button Hole diameter mm 22 Width opening mm 0 Height meter opening mm 0 Switching function latching No Spring-return Yes Degree of protection (IP) Number of contacts as normally open contact Number of contacts as change-over contact  | Suitable for illumination                     |   |    | No     |
| Hole diameter mm 22 Width opening mm 0 Height meter opening mm 0 Switching function latching No Spring-return Yes Degree of protection (IP) IP66 Supply voltage V 0 - 0 Number of contacts as normally open contact 1 Number of contacts as change-over contact 0 Number of contacts as change | With lamp                                     |   |    | No     |
| Midth opening mm 0 Height meter opening mm 0 Switching function latching No Spring-return Yes Degree of protection (IP) IP66 Supply voltage V 0 - 0 Number of contacts as normally open contact 1 Number of contacts as change-over contact 0 Number of contacts as change-over contact 0  | Colour button                                 |   |    | Black  |
| Height meter opening mm 0 Switching function latching No Spring-return Yes Degree of protection (IP) IP66 Supply voltage V 0 - 0 Number of contacts as normally open contact 1 Number of contacts as change-over contact 0 Number of contacts as change-over contact 0   | Hole diameter                                 | ı | mm | 22     |
| Switching function latching  Spring-return  Degree of protection (IP)  Supply voltage  V  0 - 0  Number of contacts as normally open contact  Number of contacts as change-over contact  Number of contacts as change-over contact  O  Number of contacts as change-over contact  Number of contacts as change-over contact  O   | Width opening                                 | r | mm | 0      |
| Spring-return  Pegree of protection (IP)  Supply voltage  V  0 - 0  Number of contacts as normally open contact  Number of contacts as change-over contact  U  Number of contacts as change-over contact  Ves  IP66  1  1  Number of contacts as normally open contact  1  Number of contacts as normally closed contact  0  | Height meter opening                          | ı | mm | 0      |
| Degree of protection (IP)  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  | Switching function latching                   |   |    | No     |
| 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   | Spring-return                                 |   |    | Yes    |
| Number of contacts as normally open contact  1 Number of contacts as normally closed contact  1 Number of contacts as change-over contact  0   | Degree of protection (IP)                     |   |    | IP66   |
| Number of contacts as normally closed contact 1  Number of contacts as change-over contact 0   | Supply voltage                                | 1 | V  | 0 - 0  |
| Number of contacts as change-over contact 0  | Number of contacts as normally open contact   |   |    | 1      |
|  | Number of contacts as normally closed contact |   |    | 1      |
| Type of electric connection Other  | Number of contacts as change-over contact     |   |    | 0      |
|  | Type of electric connection                   |   |    | Other  |
| Nith front ring Yes  | With front ring                               |   |    | Yes    |

| Material front ring | Plastic |
|---------------------|---------|
| Colour front ring   | Other   |

#### **Dimensions**



## **Assets (Links)**

**Declaration of Conformity** 00002596

## **Additional product information (links)**

IL047016ZU RMQ compact solution

IL047016ZU RMQ compact solution ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL047016ZU2017\_01.pdf

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