### DATASHEET - C22-WRS3-MS1-K11-P65



Key-operated actuator, RMQ compact solution, maintained, 1 NC, 1 N/O, Cable (black) with non-terminated end, 4 pole, 3.5 m, 3 positions, MS1, Bezel: titanium



Part no. C22-WRS3-MS1-K11-P65

**Catalog No.** 186284

| MOL Compact salations   MOL Compact salations   MOL Compact salations   Mountained   Mountain    | Delivery program   |    |   |  |
|--|--|----|---|--|
| Single unit Camplete unit  Function:  Function:  Connection type Cable Length  Cable Length  Cable Length  Cable Length  Cable Disack with non-terminated and, 4 pole  and 3.5  Not suitable for matter key systems  Agronisms  Lack mechanism  Key withdrawable in position  In part of Pratection  Diagrac of Pratection  Front ong  Connection Smart/Wre UT  Contact  Connection System  Connection System  Connection System  Connection Smart/Wre UT  Contact  Connection Smart/Wre UT  Contact  Connection Smart/Wre UT  Contact  Actuardor travel and actuation force as per DIN EN 69947-5-1, K.S.4.1  mm  |  |    |   | RMO compact solution                                       |
| Function:  Connection type Cate (black) with non-terminated end, 4 pote Cate (black) with non-terminated end, 4 pote Cate (black) with non-terminated end, 4 pote  Cate (black) with non-terminated end, 4 pote  m 35 Not suitable for manter key systems 3 passitions  MS 1   Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  MS 1  Connection type m 35 Not suitable for manter key systems 3 passitions  Not suitable f  |  |    |   |  |
| Function:    Contraction type  |  |    |   |  |
| Function:  Contraction typu  Contraction typu  Contraction typu  Contraction typu  Contraction  Contraction  Not suitable for master key systems  3 pentions  MS1  MS1  Luck mechanism  Kay withdrawable in position  United the contraction of t | Single unit/Complete unit  |    |   |  |
| Contraction type  Cable Langth  Cable Langt  |  |    |   | maintained   |
| Cable (black) with non-terminated and, 4 pole Cable (cable) Cable (caph)  3.5  Not suitable for master key systems 3 positions  MS1  Lock mechanism  Key withdrawable in position  1 0 11 0 1885 front) 1985 front 1985 front 1985 front rann)  Connection to Smart/Wire-DT  Contacts  NC = Normally cleased  NC = Normally cleased  NC = Normally cleased  1 NC ⊕  **Safety function. by positive opening to IECEN 60947-5-1  KES.4.1  **Maximum travel and actuation force as per DIN EN 60947-5-1,  KS.4.1  **Maximum travel  **Maximum force for positive opening  N 29  **Contact sequence  **Contac  | Function:  |    |   |  |
| Cable Length    Matsuitable for master key systems   Spesitions  |  |    |   | 60° # 60°  |
| Not suitable for master key systems 3 passions MS1    Contended   Special    | Connection type  |    |   | Cable (black) with non-terminated end, 4 pole              |
| Lock mechanism  Key withdrawable in position    Contacts   Contact travel   Contact closed   Contact open    Contact travel   Contact closed   Contact open   Contact travel   Contact closed     | Cable Length   |    | m | 3.5  |
| MS1    Contact travel   Contact closed   |  |    |   | Not suitable for master key systems                        |
| Degree of Protection   |  |    |   | 3 positions  |
| Degree of Protoction  Degree of Protoction  Front ring  Connection to SmartWire-DT  Contacts  NC = Normally closed  NVO = Normally open Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.3.1  mm  | Lock mechanism   |    |   | MS1  |
| Degree of Protection  Front ring  Connection to SmartWire-DT  Contact Contact  N/C = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  Maximum travel  mm  Minimum force for positive opening  Contact travel = Contact closed = Contact open  Contact travel = Contact closed = Contact open  Contact diagram  O  IP68 (front) IP  | Key withdrawable in position   |    |   |  |
| Degree of Protection  Front ring  Connection to SmartWire-DT  Contacts  N/C = Normally closed  N/C = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, KK.5.4.1  mm  Acsimum travel  Maximum travel  Maximum force for positive opening  N  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  IN PB6 (front) PB96 (front rear)  Bezel: titanium  no  N  PB   |  |    |   | L  |
| Degree of Protection Front ring Connection to SmartWire-DT Contacts  N/C = Normally closed  N/O = Mormally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm   |  |    |   | 0  |
| Front ring  Connection to SmartWire-DT  Contacts  N/C = Normally closed  N/O = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  |  |    |   | II .   |
| Front ring Connection to SmartWire-DT  Contacts  N/C = Normally closed  N/O = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm 4.65  Maximum travel  Minimum force for positive opening  Contact sequence  Contact travel = Contact closed = Contact open  Contact travel = Contact closed = Contact open  Contact diagram    P66 (on rear)   Bezel: titanium   December   Divided   December   Decemb | Degree of Protection   |    |   |  |
| Contacts  N/C = Normally closed  N/O = Normally open Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm   |  |    |   | IP65 (on rear)   |
| Contacts  NC = Normally closed  1NC → Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  Maximum travel Minimum force for positive opening  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram  INC →  1NC →  1NC →  1NO  4.85  5.7  20  BN WH  1   | Front ring   |    |   | Bezel: titanium  |
| NC = Normally closed  N/O = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1,  K.5.4.1  mm  | Connection to SmartWire-DT   |    |   | no   |
| N/O = Normally open  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  Maximum travel  Minimum force for positive opening  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  1 N/O  = safety function, by positive opening to IEC/EN 60947-5-1  BN  WH  BK  BU  Contact travel = Contact closed = Contact open  3.15  0 2.2 5.5  Zw = 4.5 mm   | Contacts   |    |   |  |
| Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  Maximum travel  Maximum force for positive opening  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram  Discrepance   Sequence  Se  | N/C = Normally closed  |    |   | 1 NC →   |
| 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  Contact sequence  BN WH  BK BU   Contact travel = Contact closed = Contact open  Contact diagram  3.15  0.2.2 5.5  Zw = 4.5 mm   | N/O = Normally open  |    |   | 1 N/0  |
| 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  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram  3.15  0 2.2 5.5  Zw = 4.5 mm  | Notes  |    |   | e safety function, by positive opening to IEC/EN 60947-5-1 |
| Maximum travel Minimum force for positive opening  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram  3.15  0.2.2  5.5  Zw = 4.5 mm  | Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 |    |   |  |
| Minimum force for positive opening  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram  3.15  0 2.2 5.5  Zw = 4.5 mm  |  | mm |   | 4.65   |
| Contact travel = Contact closed = Contact open  Contact diagram  3.15  0 2.2 5.5  Zw = 4.5 mm  | Maximum travel   | mm |   | 5.7  |
| Contact travel = Contact closed = Contact open  Contact diagram  3.15  0 2.2 5.5  Zw = 4.5 mm  | Minimum force for positive opening                                   | N  |   | 20   |
| 3.15 0 2.2 5.5 Zw = 4.5 mm   | Contact sequence   |    |   |  |
| 0 2.2 5.5<br>Zw = 4.5 mm   | Contact travel = Contact closed = Contact open                       |    |   |  |
| Positive anguing (7W)  | Contact diagram  |    |   | 0 2.2 5.5  |
| ( OUM TO ODOLINIA 1547 /   | Positive opening (ZW)  |    |   | yes  |

### **Technical data**

#### General

| Standards   |                  |      | IEC/EN 60947-5-1<br>VDE 0660   |
|---|------------------|------|--|
| Certifications                                    |                  |      | CE, UL, CSA  |
| Operating frequency                               | Operations/h     |      | ≦ 100  |
| Operating torque                                  |                  | Nm   | ≦ 0.5  |
| 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)   |
| Ambient temperature                               |                  |      |  |
| Open  |                  | °C   | -30 - +70  |
| Storage   |                  | °C   | - 30 - + 80  |
| 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                          | Ui               | 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              |                  |      |  |

### **Switching capacity**

Rated conditional short-circuit current

Fuse

| Rated operational current | I <sub>e</sub> | Α |   |
|---------------------------|----------------|---|---|
| AC-15                     |                |   |   |
| 24 V                      | I <sub>e</sub> | Α | 4 |
| DC-13                     |                |   |   |
| 24 V                      | I <sub>e</sub> | Α | 3 |

Α

kA

4

gG/gL

 $I_q$ 

#### **Cable characteristics**

| Design                  |   |    | Cable end open |
|-------------------------|---|----|----------------|
| Cable Length            |   | m  | 3.5            |
| 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 | -30 |
| Operating ambient temperature max.     | °( | C | 70  |

### **Technical data ETIM 7.0**

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@ss10.0.1-27-37-12-43

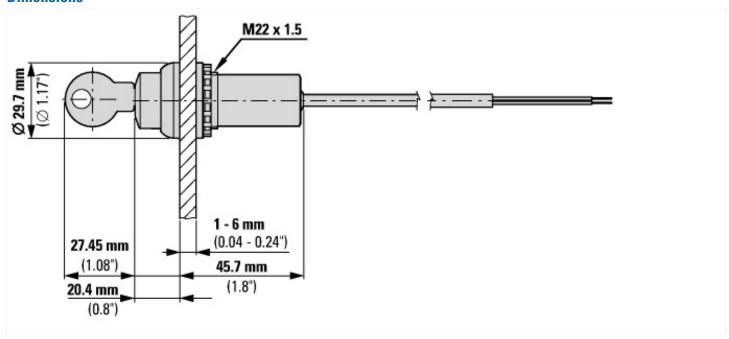
| [ACN984011])               |    |       |
|----------------------------|----|-------|
| Number of switch positions |    | 3     |
| Type of control element    |    | Key   |
| Suitable for illumination  |    | No    |
| With light source          |    | No    |
| Colour button              |    | Black |
| Hole diameter              | mm | 22.5  |
| Width opening              | mm | 0     |

| Height opening                                | mm | 0       |
|---|----|---------|
| Switching function latching                   |    | Yes     |
| Spring-return                                 |    | No      |
| Degree of protection (IP)                     |    | Other   |
| Degree of protection (NEMA)                   |    | Other   |
| 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                   |    | Other   |
| With front ring                               |    | Yes     |
| Material front ring                           |    | Plastic |
| Colour front ring                             |    | Other   |

# **Approvals**

| Product Standards           | IEC/EN 60947-5-1; UL 508; CAN/CSA-C22.2 No. 14-18 and No. 94.2-15; CE marking |
|-----------------------------|---|
| UL File No.                 | E29184  |
| UL Category Control No.     | NKCR  |
| CSA File No.                | 165628  |
| CSA Class No.               | 321103  |
| North America Certification | UL listed, CSA certified  |

### **Dimensions**



## **Assets (links)**

**Declaration of CE Conformity** 

00003256

**Instruction Leaflets** 

IL047016ZU2018\_06

# **Additional product information (links)**

IL047016ZU RMQ compact solution ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL047016ZU2018\_06.pdf