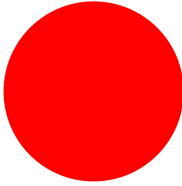
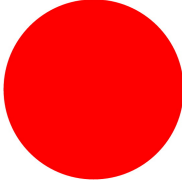


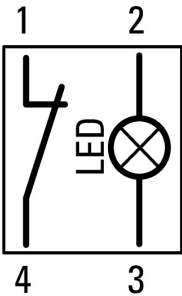


Illuminated pushbutton actuator, classic, flat, maintained, 1 N/C, red, 24 V AC/DC, cable (black) with m8 plug, 4 pole, 1 m

Part no. **C22-DRL-R-K01-24-P32**  
Catalog No. **185583**

## Delivery program

|                                                                             |    |   |                                                                                                                                                |
|-----------------------------------------------------------------------------|----|---|------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range                                                               |    |   | RMQ compact solution                                                                                                                           |
| Basic function                                                              |    |   | Illuminated pushbutton actuators                                                                                                               |
| Single unit/Complete unit                                                   |    |   | Complete unit                                                                                                                                  |
| Design                                                                      |    |   | Flat                                                                                                                                           |
|                                                                             |    |   | maintained                                                                                                                                     |
| Connection type                                                             |    |   | Cable (black) with M8 plug, 4 pole                                                                                                             |
| Cable Length                                                                |    | m | 1                                                                                                                                              |
| <b>Colour</b>                                                               |    |   |                                                                                                                                                |
| LED                                                                         |    |   |                                                              |
| LED                                                                         |    |   | Red                                                                                                                                            |
| <b>Button plate</b>                                                         |    |   |                                                                                                                                                |
| button plate                                                                |    |   | red                                                                                                                                            |
| Button plate                                                                |    |   |                                                            |
|                                                                             |    |   | Blank                                                                                                                                          |
| Rated operational voltage LED                                               |    |   | 24 V AC/DC                                                                                                                                     |
| Name                                                                        |    |   | None                                                                                                                                           |
| Degree of Protection                                                        |    |   | IP66, IP67, IP69 (front)<br>IP65 (on rear)                                                                                                     |
| Front ring                                                                  |    |   | Bezel: titanium                                                                                                                                |
| Connection to SmartWire-DT                                                  |    |   | no                                                                                                                                             |
| <b>Contacts</b>                                                             |    |   |                                                                                                                                                |
| N/C = Normally closed                                                       |    |   | 1 NC                                                        |
| 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  |   | 15                                                                                                                                             |

|                                                                                                                                                                                                                           |  |  |                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------|
| Contact sequence                                                                                                                                                                                                          |  |  |                               |
| <b>Contact travel</b>  = Contact closed  = Contact open |  |  |                                                                                                                |
| Contact diagram                                                                                                                                                                                                           |  |  | <br>0 2.2 5.5<br>Zw = 4.5 mm |
| Positive opening (ZW)                                                                                                                                                                                                     |  |  | yes                                                                                                            |

## Technical data

### General

|                                                   |              |               |                                                                                |
|---------------------------------------------------|--------------|---------------|--------------------------------------------------------------------------------|
| Standards                                         |              |               | IEC/EN 60947-5-1<br>VDE 0660                                                   |
| Certifications                                    |              |               | CE, UL, CSA                                                                    |
| Lifespan, mechanical                              | Operations   | $\times 10^6$ | > 1                                                                            |
| Operating frequency                               | Operations/h |               | $\leq 3600$                                                                    |
| Actuating force                                   |              | n             | $\leq 5$                                                                       |
| Plug tightening torque                            |              | N/m           | 0.6                                                                            |
| 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, IP67, IP69 (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         | $U_{imp}$ | 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                         | $H_F$     |      | 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                  |               |    | M8  |
| Cable Length            |               | m  | 1   |
| Material characteristic |               |    | PUR |
| Diameter                | $\varnothing$ | 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  |

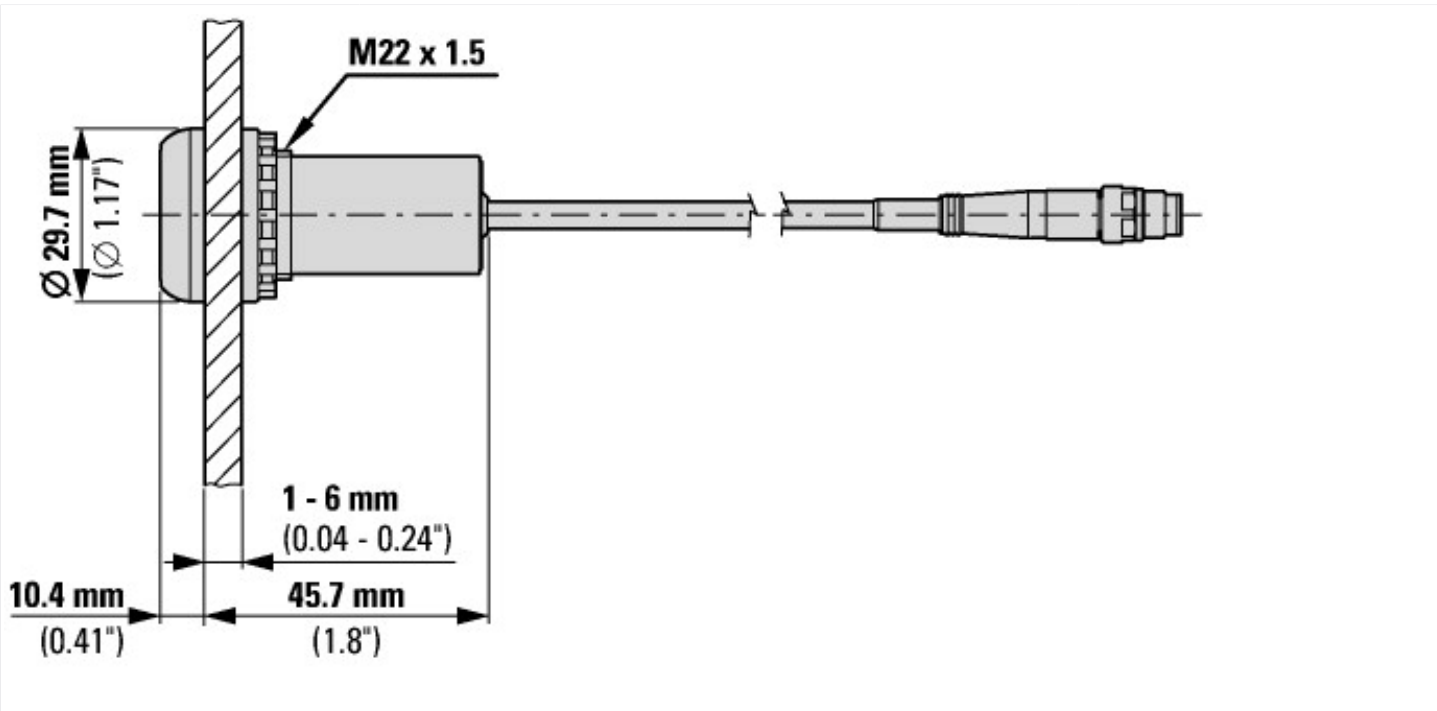
## Technical data ETIM 7.0

|                                                                                                                                                                                                       |  |    |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------|
| Low-voltage industrial components (EG000017) / Push button, complete (EC001028)                                                                                                                       |  |    |         |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss10.0.1-27-37-12-28 [AKF046014]) |  |    |         |
| Number of command positions                                                                                                                                                                           |  |    | 1       |
| Type of button                                                                                                                                                                                        |  |    | Flat    |
| Colour button                                                                                                                                                                                         |  |    | Red     |
| Construction type lens                                                                                                                                                                                |  |    | Round   |
| Hole diameter                                                                                                                                                                                         |  | mm | 22      |
| Width opening                                                                                                                                                                                         |  | mm | 0       |
| Height opening                                                                                                                                                                                        |  | mm | 0       |
| Suitable for illumination                                                                                                                                                                             |  |    | Yes     |
| Switching function latching                                                                                                                                                                           |  |    | Yes     |
| Spring-return                                                                                                                                                                                         |  |    | No      |
| Supply voltage lamp                                                                                                                                                                                   |  | V  | 24      |
| Number of contacts as normally open contact                                                                                                                                                           |  |    | 0       |
| 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                                                                                                                                                                                     |  |    | Grey    |
| Degree of protection (IP)                                                                                                                                                                             |  |    | Other   |
| Degree of protection (NEMA)                                                                                                                                                                           |  |    | 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                                                      |
| Degree of Protection        |  |  | 2, 12                                                                         |

Dimensions



Assets (links)

- [Declaration of CE Conformity](#)  
00003256
- [Instruction Leaflets](#)  
IL047016ZU2018\_06

Additional product information (links)

| IL047016ZU RMQ compact solution |  |                                                                                                                                                                     |
|---------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IL047016ZU RMQ compact solution |  | <a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL047016ZU2018_06.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL047016ZU2018_06.pdf</a> |