



Double actuator pushbutton, +indicator light, green I/white/red 0

Part no. **M22-DDL-GR-X1/X0**  
Article no. **216700**  
Catalog No. **M22-DDL-GR-X1-X0Q**

## Delivery programme

|                            |  |  |                                                                                                                                                                        |
|----------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range              |  |  | RMQ-Titan (drilling dimensions 22.5 mm)                                                                                                                                |
| Basic function             |  |  | Double actuators                                                                                                                                                       |
| Single unit/Complete unit  |  |  | Single unit                                                                                                                                                            |
| Design                     |  |  | Actuators and indicator lights non-flush                                                                                                                               |
|                            |  |  | momentary                                                                                                                                                              |
| Description                |  |  | White lens                                                                                                                                                             |
| <b>Colour</b>              |  |  |                                                                                                                                                                        |
|                            |  |  | Green, red                                                                                                                                                             |
| <b>Button plate</b>        |  |  |                                                                                                                                                                        |
| button plate               |  |  | green, red                                                                                                                                                             |
| Button plate               |  |  |   |
|                            |  |  | inscribed                                                                                                                                                              |
| Degree of Protection       |  |  | IP66                                                                                                                                                                   |
| Front ring                 |  |  | Front ring: titanium                                                                                                                                                   |
| Connection to SmartWire-DT |  |  | Yes, with SWD-RMQ connections                                                                                                                                          |
| Front dimensions           |  |  | 29,7 x 54,7                                                                                                                                                            |

## Technical data

### General

|                                           |              |                   |                                                                                |
|-------------------------------------------|--------------|-------------------|--------------------------------------------------------------------------------|
| Standards                                 |              |                   | IEC/EN 60947<br>VDE 0660                                                       |
| Lifespan, mechanical                      | Operations   | x 10 <sup>6</sup> | > 0.2                                                                          |
| Operating frequency                       | Operations/h |                   | ≡ 3600                                                                         |
| Actuating force                           |              | n                 | ≡ 5                                                                            |
| Climatic proofing                         |              |                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature                       |              |                   |                                                                                |
| Open                                      |              | °C                | -25 - +70                                                                      |
| Storage                                   |              | °C                | - 40 - + 80                                                                    |
| Mounting position                         |              |                   | As required                                                                    |
| Mechanical shock resistance               |              | g                 | 30<br>Shock duration 11 ms<br>Sinusoidal<br>according to IEC 60068-2-27        |
| Indoor and protected outdoor installation |              |                   |                                                                                |

## Design verification as per IEC/EN 61439

|                                                          |                  |   |   |
|----------------------------------------------------------|------------------|---|---|
| Technical data for design verification                   |                  |   |   |
| Rated operational current for specified heat dissipation | I <sub>n</sub>   | A | 0 |
| Heat dissipation per pole, current-dependent             | P <sub>vid</sub> | W | 0 |

|                                                                                                                        |                   |    |                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------|-------------------|----|----------------------------------------------------------------------------------------------------------|
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 0                                                                                                        |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub>   | W  | 0                                                                                                        |
| Heat dissipation capacity                                                                                              | P <sub>diss</sub> | W  | 0                                                                                                        |
| Operating ambient temperature min.                                                                                     |                   | °C | -25                                                                                                      |
| Operating ambient temperature max.                                                                                     |                   | °C | 70                                                                                                       |
| IEC/EN 61439 design verification                                                                                       |                   |    |                                                                                                          |
| 10.2 Strength of materials and parts                                                                                   |                   |    |                                                                                                          |
| 10.2.2 Corrosion resistance                                                                                            |                   |    | Meets the product standard's requirements.                                                               |
| 10.2.3.1 Verification of thermal stability of enclosures                                                               |                   |    | Meets the product standard's requirements.                                                               |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat                                             |                   |    | Meets the product standard's requirements.                                                               |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |                   |    | Meets the product standard's requirements.                                                               |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                                                       |                   |    | Please enquire                                                                                           |
| 10.2.5 Lifting                                                                                                         |                   |    | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.2.6 Mechanical impact                                                                                               |                   |    | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.2.7 Inscriptions                                                                                                    |                   |    | Meets the product standard's requirements.                                                               |
| 10.3 Degree of protection of ASSEMBLIES                                                                                |                   |    | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.4 Clearances and creepage distances                                                                                 |                   |    | Meets the product standard's requirements.                                                               |
| 10.5 Protection against electric shock                                                                                 |                   |    | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.6 Incorporation of switching devices and components                                                                 |                   |    | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| 10.7 Internal electrical circuits and connections                                                                      |                   |    | Is the panel builder's responsibility.                                                                   |
| 10.8 Connections for external conductors                                                                               |                   |    | Is the panel builder's responsibility.                                                                   |
| 10.9 Insulation properties                                                                                             |                   |    |                                                                                                          |
| 10.9.2 Power-frequency electric strength                                                                               |                   |    | Is the panel builder's responsibility.                                                                   |
| 10.9.3 Impulse withstand voltage                                                                                       |                   |    | Is the panel builder's responsibility.                                                                   |
| 10.9.4 Testing of enclosures made of insulating material                                                               |                   |    | Is the panel builder's responsibility.                                                                   |
| 10.10 Temperature rise                                                                                                 |                   |    | Not applicable.                                                                                          |
| 10.11 Short-circuit rating                                                                                             |                   |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.12 Electromagnetic compatibility                                                                                    |                   |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.13 Mechanical function                                                                                              |                   |    | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 6.0

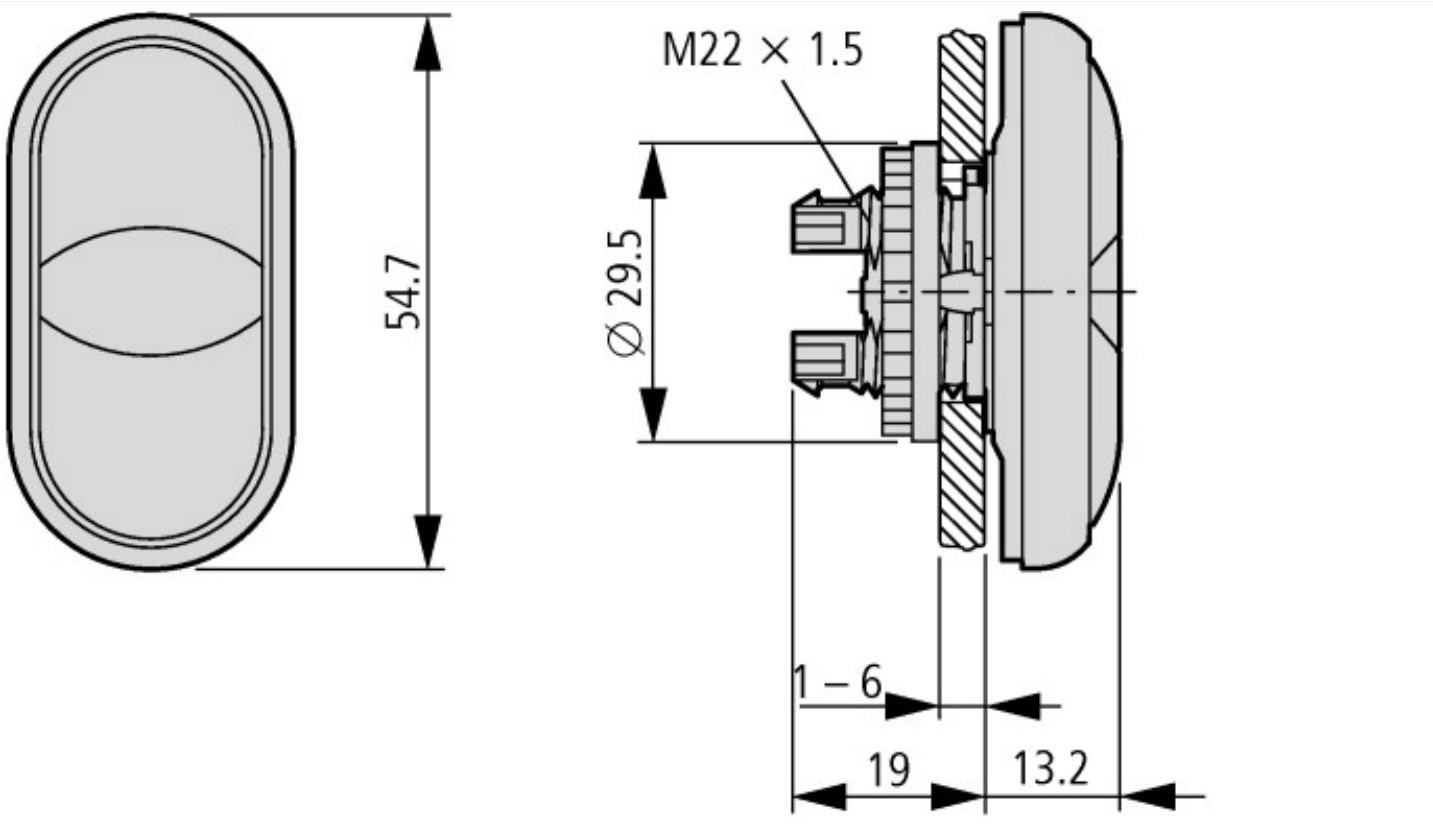
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------|
| Low-voltage industrial components (EG000017) / Front element for push button (EC000221)                                                                                                                |  |    |         |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss8.1-27-37-12-10 [AKF028011]) |  |    |         |
| Colour button                                                                                                                                                                                          |  |    | -       |
| Number of command positions                                                                                                                                                                            |  |    | 2       |
| Construction type lens                                                                                                                                                                                 |  |    | Round   |
| Hole diameter                                                                                                                                                                                          |  | mm | 22      |
| Width opening                                                                                                                                                                                          |  | mm | 22      |
| Height meter opening                                                                                                                                                                                   |  | mm | 6       |
| Degree of protection (IP), front side                                                                                                                                                                  |  |    | IP66    |
| Type of button                                                                                                                                                                                         |  |    | Flat    |
| Suitable for illumination                                                                                                                                                                              |  |    | Yes     |
| With protection cover                                                                                                                                                                                  |  |    | No      |
| Labelled                                                                                                                                                                                               |  |    | Yes     |
| Switching function latching                                                                                                                                                                            |  |    | No      |
| Spring-return                                                                                                                                                                                          |  |    | Yes     |
| With front ring                                                                                                                                                                                        |  |    | Yes     |
| Material front ring                                                                                                                                                                                    |  |    | Plastic |
| Colour front ring                                                                                                                                                                                      |  |    | Chrome  |

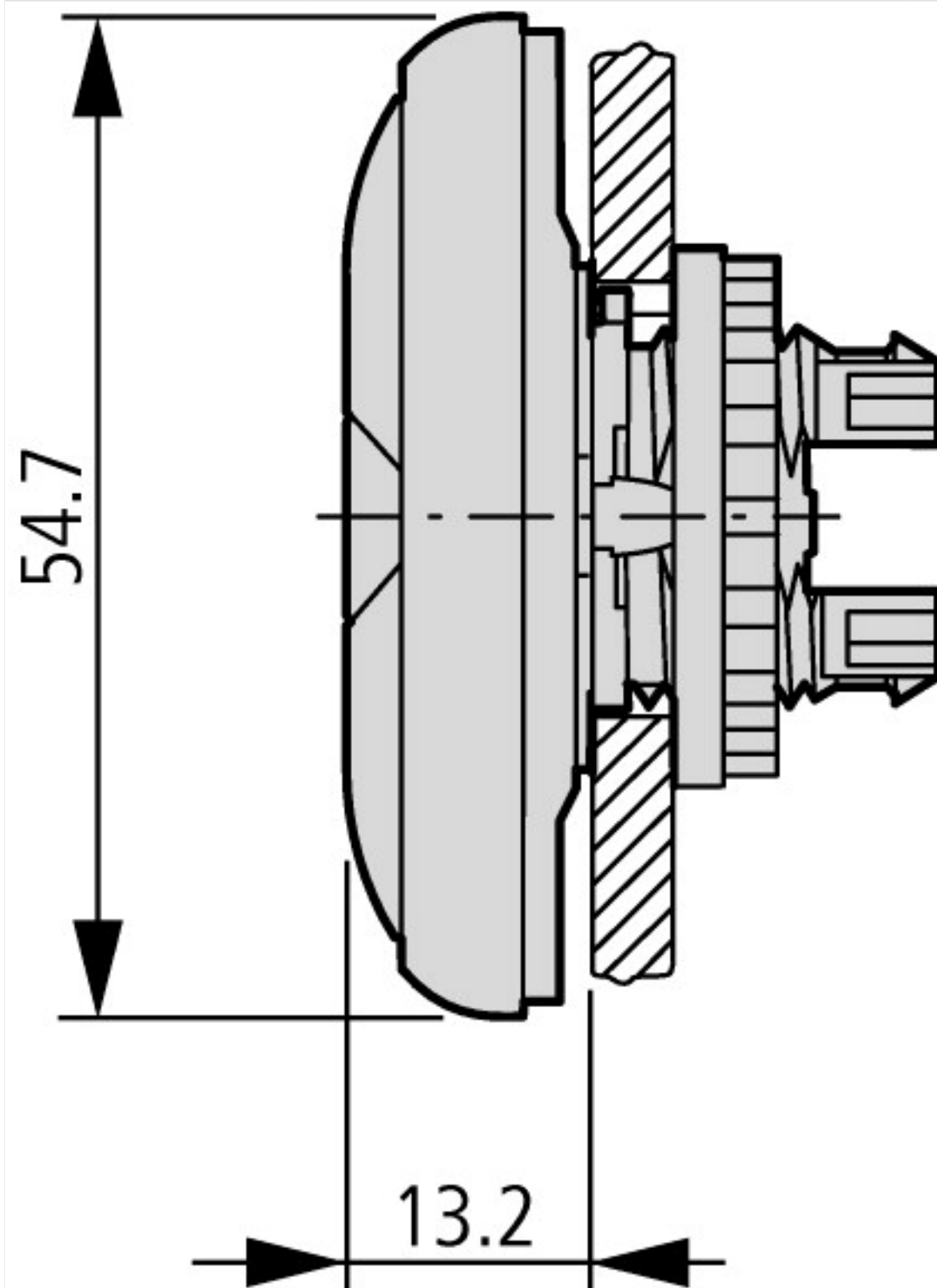
Approvals

|                   |  |                                                                              |
|-------------------|--|------------------------------------------------------------------------------|
| Product Standards |  | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking |
|-------------------|--|------------------------------------------------------------------------------|

|                             |                            |
|-----------------------------|----------------------------|
| UL File No.                 | E29184                     |
| UL Category Control No.     | NKCR                       |
| CSA File No.                | 012528                     |
| CSA Class No.               | 3211-03                    |
| North America Certification | UL listed, CSA certified   |
| Degree of Protection        | UL/CSA Type 3R, 4X, 12, 13 |

Dimensions





### Additional product information (links)

#### IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716002Z2015\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2015_02.pdf)