

**Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights flush, momentary, White lens, selectable, individual facility for inscription, Bezel: titanium**



**Part no.** M22-DDLF-\*.~\*.~\*  
**Catalog No.** 284818  
**Alternate Catalog No.** -

### Delivery program

|                            |   |    |  |
|----------------------------|---|----|--|
| Product range              |   |    | RMQ-Titan  |
| Basic function             |   |    | Double actuators   |
| Mounting hole diameter     | ∅ | mm | 22.5   |
| Single unit/Complete unit  |   |    | Single unit  |
| Design                     |   |    | Actuators and indicator lights flush<br>momentary                                    |
| Description                |   |    | White lens   |
| <b>Button plate</b>        |   |    |  |
| button plate               |   |    | selectable<br>individual facility for inscription                                    |
| Degree of Protection       |   |    | IP66   |
| Front ring                 |   |    | Bezel: titanium  |
| Connection to SmartWire-DT |   |    | yes<br>with SWD-RMQ connections  |
| Ordering information       |   |    | Notes on customized inscription → Data sheet, additional product information (links) |

### 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 |
| Degree of Protection                      |              |                   | IP66   |
| 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        |
| shipping classification                   |              |                   | DNV<br>GL<br>LR  |
| 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 8.0

|  |    |         |
|--|----|---------|
| 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<br>(ecl@ss10.0.1-27-37-12-10 [AKF028014]) |    |         |
| Colour button  |    | Other   |
| Number of command positions  |    | 2       |
| Construction type lens   |    | Oval    |
| Hole diameter  | mm | 22.5    |
| Width opening  | mm | 0       |
| Height opening   | mm | 0       |
| Type of button   |    | Flat    |
| Suitable for illumination  |    | Yes     |
| With protective cover  |    | No      |
| Labelled   |    | Yes     |
| Switching function latching  |    | No      |
| Spring-return  |    | Yes     |
| With front ring  |    | Yes     |
| Material front ring  |    | Plastic |
| Colour front ring  |    | Chrome  |
| Degree of protection (IP), front side  |    | IP66    |
| Degree of protection (NEMA), front side  |    | 4X      |