

**Changeover switch, RMQ-Titan, With rotary head, maintained, 4 positions, inscribed, Bezel: titanium**



**Part no.** M22-WR4  
**Catalog No.** 279419  
**Alternate Catalog No.** M22-WR4Q  
**EL-Nummer (Norway)** 4355455

## Delivery program

|                            |   |    |                                                                             |
|----------------------------|---|----|-----------------------------------------------------------------------------|
| Product range              |   |    | RMQ-Titan                                                                   |
| Basic function             |   |    | Selector switch actuators                                                   |
| Mounting hole diameter     | Ø | mm | 22.5                                                                        |
| Single unit/Complete unit  |   |    | Single unit                                                                 |
| Design                     |   |    | With rotary head                                                            |
|                            |   |    | maintained                                                                  |
|                            |   |    | 4 positions                                                                 |
| <b>Button plate</b>        |   |    |                                                                             |
|                            |   |    | inscribed                                                                   |
| Degree of Protection       |   |    | IP66                                                                        |
| Front ring                 |   |    | Bezel: titanium                                                             |
| Connection to SmartWire-DT |   |    | yes<br>with SWD-RMQ connections                                             |
| <b>Instructions</b>        |   |    | Not suitable for coding adapters<br>Use M22-A4 fixing adapter → accessories |
| Ordering information       |   |    | Labels → accessories                                                        |

## Technical data

### General

|                                           |              |                   |                                                                                |
|-------------------------------------------|--------------|-------------------|--------------------------------------------------------------------------------|
| Standards                                 |              |                   | IEC/EN 60947<br>VDE 0660                                                       |
| Lifespan, mechanical                      | Operations   | x 10 <sup>6</sup> | > 0.1                                                                          |
| Operating frequency                       | Operations/h |                   | ≤ 2000                                                                         |
| Operating torque                          |              | Nm                | ≤ 0.3                                                                          |
| 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 selector switch (EC000222)                                                                                                           |  |    |             |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss10.0.1-27-37-12-13 [AKF031014]) |  |    |             |
| Number of switch positions                                                                                                                                                                            |  |    | 2           |
| Type of control element                                                                                                                                                                               |  |    | Turn button |
| Suitable for illumination                                                                                                                                                                             |  |    | No          |
| Colour control element                                                                                                                                                                                |  |    | Black       |
| Colour indicator light cap                                                                                                                                                                            |  |    | Other       |
| Construction type lens                                                                                                                                                                                |  |    | Round       |
| Hole diameter                                                                                                                                                                                         |  | mm | 22.5        |
| Width opening                                                                                                                                                                                         |  | mm | 0           |
| Height opening                                                                                                                                                                                        |  | mm | 0           |
| Switching function latching                                                                                                                                                                           |  |    | Yes         |
| Spring-return                                                                                                                                                                                         |  |    | No          |
| With front ring                                                                                                                                                                                       |  |    | Yes         |
| Material front ring                                                                                                                                                                                   |  |    | Plastic     |
| Colour front ring                                                                                                                                                                                     |  |    | Titanium    |
| Degree of protection (IP), front side                                                                                                                                                                 |  |    | IP66        |
| Degree of protection (NEMA)                                                                                                                                                                           |  |    | 4X, 13      |