# DATASHEET - M22-WR-*

**Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, individual facility for inscription, Bezel: titanium**

| Part no. | M22-WR-* |
|---|---|
| Catalog No. | 226836 |
| Alternate Catalog No. | - |

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## Delivery program

| | | |
|---|---|---|
| Product range | | RMQ-Titan |
| Basic function | | Selector switch actuators |
| Single unit/Complete unit | | Single unit |
| Design | | With rotary head |
| | | maintained |
| **Function:** | | |
| | | ⌐ 60° |
| | | 2 positions |
| **Button plate** | | |
| | | individual facility for inscription |
| Degree of Protection | | IP66 |
| Front ring | | Bezel: titanium |
| Connection to SmartWire-DT | | yes<br>with SWD-RMQ connections |
| Front dimensions | | 29,7 |
| **Instructions** | | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y |
| 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 10⁶ | > 0.1 |
| Operating frequency | Operations/h | | ≦ 2000 |
| Operating torque (screw terminals) | | 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 | $I_n$ | A | 0 |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W | 0 |
| Equipment heat dissipation, current-dependent | $P_{vid}$ | W | 0 |
| Static heat dissipation, non-current-dependent | $P_{vs}$ | W | 0 |
| Heat dissipation capacity | $P_{diss}$ | 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 7.0

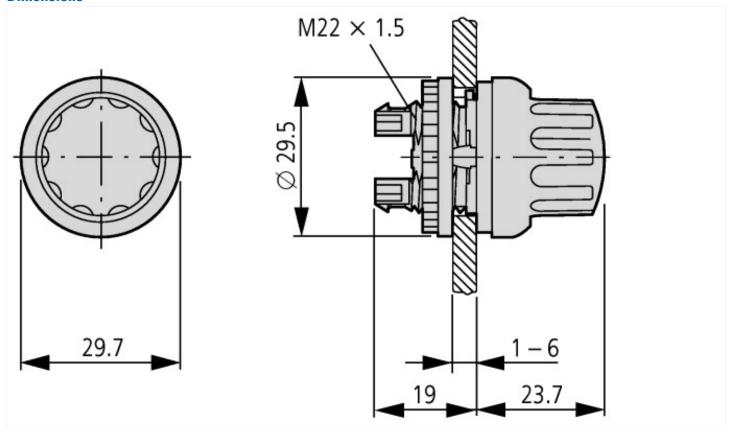Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)

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])
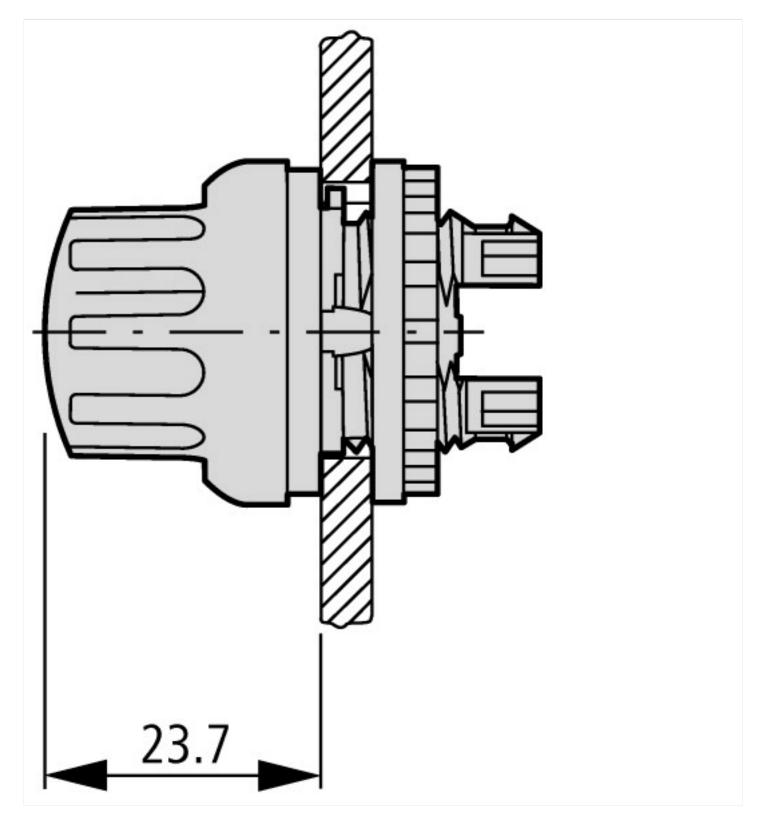
| | | | |
|---|---|---|---|
| Number of switch positions | | | 2 |
| Type of control element | | | Turn button |
| Suitable for illumination | | | No |
| Colour control element | | | Black |
| Colour indicator light cap | | | Other |
| Construction type lens | | | Round |
| Hole diameter | | mm | 22.5 |
| 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 | | | Other |
| Degree of protection (IP), front side | | | IP66 |

| Degree of protection (NEMA) | | 4X |
|---|---|---|

## 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

23.7

## Assets (links)

**Declaration of CE Conformity**
00003256

## Additional product information (links)

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

| | |
|---|---|
| IL04716002Z (AWA1160-1745) RMQ-Titan System | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf |
| Notes on individual inscription using the Labeleditor software | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=2.53 |
| f1=1454&f2=1179;Labeleditor | http://applications.eaton.eu/sdlc?LX=11&amp |