

Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, green, red, Blank, Bezel: titanium



Part no. M22-DDL-GR
Catalog No. 216698
Alternate Catalog No. M22-DDL-GRQ
EL-Nummer (Norway) 4355672



Delivery program

| | | | |
|----------------------------|---|----|------------------------------------------|
| Product range | | | RMQ-Titan |
| Basic function | | | Double actuators |
| Mounting hole diameter | Ø | mm | 22.5 |
| Single unit/Complete unit | | | Single unit |
| Design | | | Actuators and indicator lights non-flush |
| | | | momentary |
| Description | | | White lens |
| Button plate | | | |
| button plate | | | green, red |
| | | | Blank |
| Degree of Protection | | | IP66 |
| Front ring | | | Bezel: titanium |
| Connection to SmartWire-DT | | | yes with SWD-RMQ connections |

Technical data

| | | | |
|-------------------------------------------|--------------|---------------|--------------------------------------------------------------------------------|
| General | | | |
| Standards | | | IEC/EN 60947 VDE 0660 |
| Lifespan, mechanical | Operations | $\times 10^6$ | > 0.2 |
| Operating frequency | Operations/h | | ≤ 3600 |
| Actuating force | n | | ≤ 5 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78 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 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 |
| shipping classification | | | DNV GL 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 |

| | |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 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 (ecl@ss10.0.1-27-37-12-10 [AKF028014])

| | | |
|-----------------------------------------|----|-----------|
| Colour button | | Red/green |
| 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 | | No |
| 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 |