

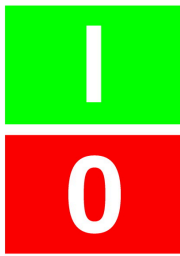


Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights flush, momentary, White lens, green, red, inscribed, Bezel: black



Part no. M22S-DDLF-GR-X1/X0
Catalog No. 284815
Alternate Catalog No. M22S-DDLF-GR-X1-X0Q

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 momentary |
| Description | | | White lens |
| Button plate | | | |
| button plate | | | green, red |
| Button plate | | |  |
| | | | inscribed |
| Degree of Protection | | | IP66 |
| Front ring | | | Bezel: black |
| Connection to SmartWire-DT | | | yes with SWD-RMQ connections |

Technical data

| | | | |
|-----------------------------|--------------|-------------------|--|
| General | | | |
| Standards | | | IEC/EN 60947 VDE 0660 |
| Lifespan, mechanical | Operations | x 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 |
| 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 | | | | |
| 10.4 Clearances and creepage distances | | | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | | | |
| 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 | | | | |
| 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 | | | | |
| 10.11 Short-circuit rating | | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | | | | |
| 10.13 Mechanical function | | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 7.0

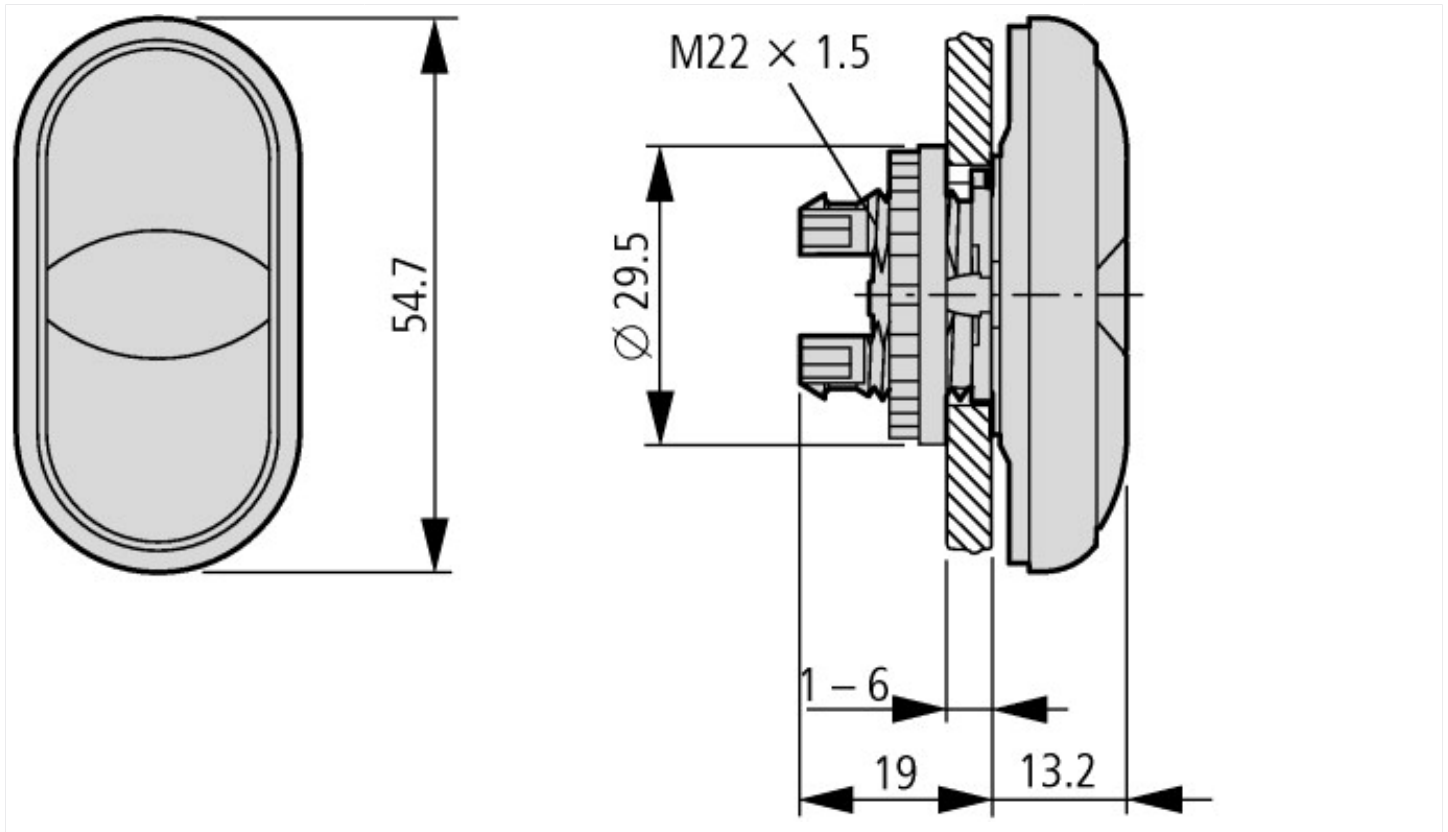
| Low-voltage industrial components (EG000017) / Front element for push button (EC000221) | | | | |
|---|--|----|--|-------|
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecI@ss10.0.1-27-37-12-10 [AKF028014]) | | | | |
| Colour button | | | | Other |
| Number of command positions | | | | 2 |
| Construction type lens | | | | Round |
| 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 | | Black |
| Degree of protection (IP), front side | | IP66 |
| Degree of protection (NEMA), front side | | 4X |

Approvals

| | | |
|-----------------------------|--|--|
| Product Standards | | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking |
| North America Certification | | Request filed for UL and CSA |
| Degree of Protection | | UL/CSA Type 3R, 4X, 12, 13 |

Dimensions





Additional product information (links)

IL0471600ZZ (AWA1160-1745) RMQ-Titan System

IL0471600ZZ (AWA1160-1745) RMQ-Titan System

https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL0471600ZZ2020_09.pdf