### DATASHEET - M22-WRLK3-G



Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 3 positions, green, Bezel: titanium



Part no.M22-WRLK3-GCatalog No.216847Alternate CatalogM22-WRLK3-GQNo.EL-Nummer4355760(Norway)

#### **Delivery program**

| Basic function Single unit/Complete unit Design Function:  Toumb-grip Degree of Protection Font rig Connection to SmartWire-DT Fund limesion Ethom Single unit Immated selector switch actuator Immate |                            |  |
|--|----------------------------|--|
| Single unit/Complete unit       Single unit         Design       With thumb-grip         Function:       Single winitained         Function:       Single winitained         Colour       Single winitained         Thumb-grip       Single winitained         Particip       Single winitained         Design       Single winitained         Colour       Single winitained         Thumb-grip       Single winitained         Single winitained       Single winitained         Degree of Protection       Single winitained         Font ving       Single winitained         Concertion to SmartWire-DT       Single winitained         Fort ving       Single winitained         Fort ving       Single winitained         Fort vingences       Single winitained         Fort vingenc   | Product range              | RMQ-Titan  |
| Design       Mithumb-grip         Function:       Mithumb-grip         Thumb-grip       6° # 60°         Thumb-grip       reen         Support of Protection       Fore Support of Supp   | Basic function             | Illuminated selector switch actuator                                       |
| Function:       minitalined         Function:       60 * 60°         Colour       3 positions         Thumb-grip       green         Degree of Protection       Performant         Font ring       Performant         Font ring       Performant         Font ring       Performant         Font ring       Set tailuin         Font ring       Set ta   | Single unit/Complete unit  | Single unit  |
| Function:       60 8 00         60 8 00       3 positions         Colour       90 8 00         Thumb-grip       green         Degree of Protection       90 8 00         Front ring       166         Font dimensions       168         Font dimensions       169         Font dimensions       161  | Design                     | With thumb-grip  |
| Image: Colour       So # 60°         Thumb-grip       Image: Colour         Thumb-grip       gree         So protection       Image: Colour         Fort ring       Image: Colour  |                            | maintained   |
| Colour       positions         Thumb-grip       green         Colour       for in         Degree of Protection       P66         Fort ring       Bezel: tianium         Connection to SmartWire-DT       for in server in ser  | Function:                  |  |
| ColourImmb-gripgreenThumb-gripImme-gripImmb-gripImme-gripImmb-gripImme-grip<   |                            | 60° # 60°  |
| Thumb-grip       geen         Line of the protection       Image: Constraint of the protection of SmartWire-DT         Font dimensions       Image: Constraint of the protection of SmartWire-DT   |                            | 3 positions  |
| Degree of ProtectionIF66Front ringBezel: titaniumConnection to SmartWire-DTIF60Front dimensionsIF60Standard  | Colour                     |  |
| Front ringBezel: titaniumConnection to SmartWire-DTVes<br>with SWD-RMQ connectionsFront dimensionsVes<br>(29,7)  | Thumb-grip                 | green  |
| Front ringBezel: titaniumConnection to SmartWire-DTVes<br>with SWD-RMQ connectionsFront dimensionsVes<br>29,7  |                            |  |
| Connection to SmartWire-DT     yes with SWD-RMQ connections       Front dimensions     29,7  | Degree of Protection       | IP66   |
| Front dimensions 29,7  | Front ring                 | Bezel: titanium  |
|  | Connection to SmartWire-DT |  |
| Instructions Stay-put/spring-return function, can be changed with coding parts M22-XC-Y  | Front dimensions           | 29,7   |
|  | Instructions               | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y |

# 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  |
| 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  |



## Design verification as per IEC/EN 61439

| Technical data for design verification  |                   |    |  |
|---|-------------------|----|--|
| Rated operational current for specified heat dissipation  | I <sub>n</sub>    | А  | 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<br>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])

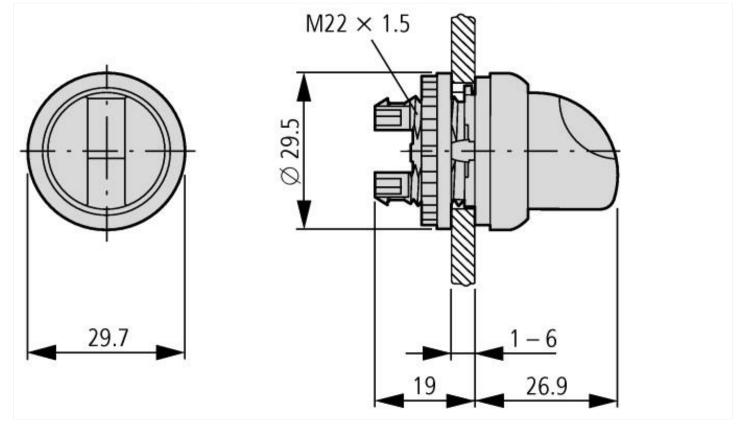
| Number of switch positions | 3      |
|----------------------------|--------|
| Type of control element    | Toggle |
| Suitable for illumination  | Yes    |
| Colour control element     | Black  |
| Colour indicator light cap | Green  |
| Construction type lens     | Round  |

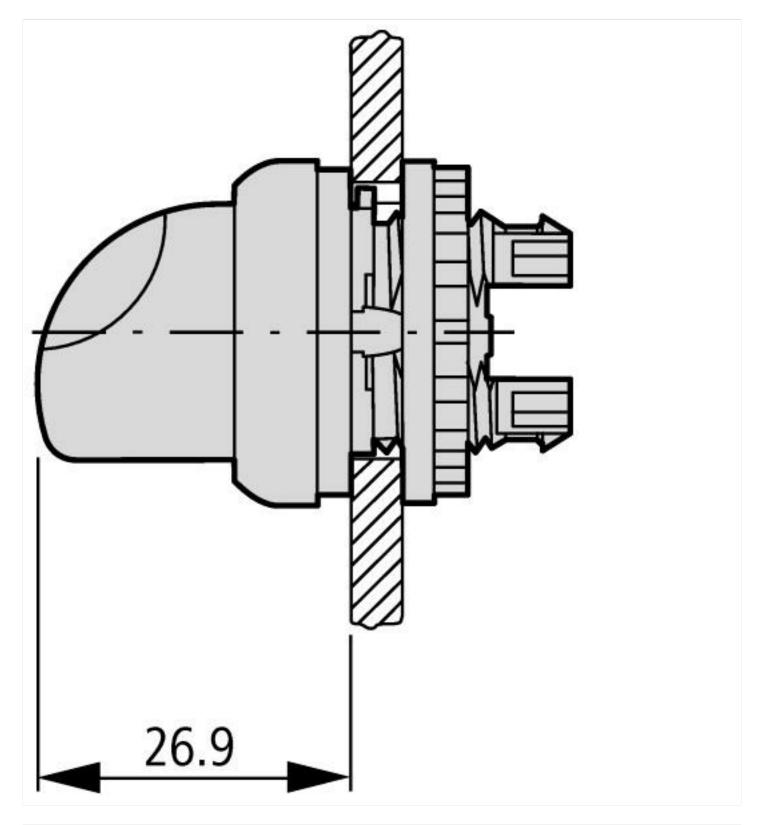
| Hole diameter                         | mm | 22.5    |
|---------------------------------------|----|---------|
| Width opening                         | mm | 0       |
| Height opening                        | mm | 0       |
| Switching function latching           |    | Yes     |
| Spring-return                         |    | 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**

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|-----------------------------|--|
| 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





## 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