

**Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 2 positions, green, Bezel: black**



**Part no. M22S-WRLK-G  
216828**

| <b>General specifications</b>            |  |  |
|--|--|--|
| Product name                             |  | Eaton Moeller® series M22 Illuminated selector switch actuator   |
| Part no.                                 |  | M22S-WRLK-G  |
| EAN                                      |  | 4015082168285  |
| Product Length/Depth                     |  | 46 millimetre  |
| Product height                           |  | 30 millimetre  |
| Product width                            |  | 30 millimetre  |
| Product weight                           |  | 0.013 kilogram   |
| Compliances                              |  | Contact Manufacturer   |
| Certifications                           |  | CSA-C22.2 No. 14-05<br>CSA File No.: 012528<br>CE<br>VDE 0660<br>CSA-C22.2 No. 94-91<br>IEC/EN 60947-5<br>UL File No.: E29184<br>CSA Class No.: 3211-03<br>CSA<br>IEC/EN 60947<br>UL<br>UL Category Control No.: NKCR<br>UL 508<br>DNV<br>GL<br>LR |
| Product Tradename                        |  | M22  |
| Product Type                             |  | Illuminated selector switch actuator   |
| Product Sub Type                         |  | None   |
| <b>Features &amp; Functions</b>          |  |  |
| Bezel color                              |  | Black  |
| Bezel material                           |  | Plastic  |
| Color                                    |  | Green  |
| Design                                   |  | With thumb-grip<br>Classical   |
| Fitted with:                             |  | Front ring   |
| Functions                                |  | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y   |
| <b>General information</b>               |  |  |
| Degree of protection                     |  | NEMA 4X, 13  |
| Degree of protection (front side)        |  | IP66   |
| Lifespan, mechanical                     |  | 100,000 Operations   |
| Opening diameter                         |  | 22.5 mm  |
| Operating frequency                      |  | 2000 Operations/h  |
| Operating torque                         |  | 0.3 N·m  |
| Product category                         |  | RMQ-Titan  |
| Size                                     |  | Front diameter: 29.7 mm  |
| Suitable for                             |  | Illumination   |
| Switching angle                          |  | 60 °   |
| Type                                     |  | Illuminated selector switch actuator   |
| <b>Ambient conditions, mechanical</b>    |  |  |
| Mounting position                        |  | As required  |
| Shock resistance                         |  | Mechanical, According to IEC/EN 60068-2-27<br>30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms   |
| <b>Climatic environmental conditions</b> |  |  |
| Ambient operating temperature - min      |  | -25 °C   |

|  |  |  |
|--|--|--|
| Ambient operating temperature - max  |  | 70 °C  |
| Climatic proofing  |  | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30                           |
| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | With SWD-RMQ connections<br>Yes  |
| <b>Actuator</b>  |  |  |
| Actuator color   |  | Black  |
| Actuator function  |  | Maintained<br>Switching function latching  |
| Actuator type  |  | Toggle   |
| Number of switch positions   |  | 2  |
| <b>Contacts</b>  |  |  |
| Force for positive opening - min   |  | 0 N  |
| <b>Design verification</b>   |  |  |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W  |
| Heat dissipation capacity Pdis   |  | 0 W  |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0 W  |
| Rated operational current for specified heat dissipation (In)                    |  | 0 A  |
| Static heat dissipation, non-current-dependent Pvs                               |  | 0 W  |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.   |
| 10.9.2 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 9.0

|   |    |        |
|---|----|--------|
| 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@ss13-27-37-12-13 [AKF031019]) |    |        |
| Number of switch positions  |    | 2      |
| 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                     |    | Black   |
| Degree of protection (IP), front side |    | IP66    |
| Degree of protection (NEMA)           |    | 4X, 13  |