# DATASHEET - M22-WRJ2H

**Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: titanium, maintained, Horizontal**

Powering Business Worldwide

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|---|---|
| **Part no.** | **M22-WRJ2H** |
| | **289199** |
| **EL Number (Norway)** | **4315311** |

| | |
|---|---|
| Product name | Eaton Moeller® series M22 Joystick |
| Part no. | M22-WRJ2H |
| EAN | 4015082891992 |
| Product Length/Depth | 100 millimetre |
| Product height | 30 millimetre |
| Product width | 30 millimetre |
| Product weight | 0.038 kilogram |
| Compliances | CE Marked |
| Certifications | IEC 60947-5<br>EN 60947-5<br>UL 508<br>CSA Std. C22.2 No. 94-91<br>CSA Std. C22.2 No. 14-05<br>VDE<br>UL File No.: E29184<br>CSA-C22.2 No. 14-05<br>UL Category Control No.: NKCR<br>CSA-C22.2 No. 94-91<br>CE<br>UL<br>IEC/EN 60947-5<br>CSA File No.: 012528<br>CSA Class No.: 3211-03<br>CSA<br>VDE 0660<br>IEC/EN 60947 |
| Product Tradename | M22 |
| Product Type | Joystick |
| Product Sub Type | None |
| | |
| Bezel color | Titanium |
| Bezel material | Plastic |
| Fitted with: | Filament bulb (24 V)<br>Plastic shaft<br>Front ring |
| | |
| Accessories | Plastic shaft |
| Degree of protection | IP66<br>NEMA 4X, 13 |
| Lifespan, mechanical | 100,000 Operations |
| Opening diameter | 22.5 mm |
| Operating frequency | 2000 Operations/h |
| Type | Joystick |
| | |
| Mounting position | As required |
| Shock resistance | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms<br>Mechanical, According to IEC/EN 60068-2-27 |
| | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 70 °C |
| Climatic proofing | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |
| | |
| Rated operational current (Ie) at AC-21, 400 V, 415 V | 0 A |

| | | | |
|---|---|---|---|
| Connection to SmartWire-DT | | | With SWD-RMQ connections<br>Yes |
| | | | |
| Actuating force | | | 5 N |
| Actuator function | | | Maintained<br>Horizontal |
| Number of actuation directions | | | 2 |
| | | | |
| Force for positive opening - min | | | 0 N |
| | | | |
| Equipment heat dissipation, current-dependent Pvid | | | 0 W |
| Heat dissipation capacity Pdiss | | | 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 8.0

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| Low-voltage industrial components (EG000017) / Control switch, Joystick (EC000632) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch, joystick (ecl@ss10.0.1-27-37-14-04 [AKF061013]) | | | |
| Rated operation current Ie at AC-21, 400 V | | A | 0 |
| Centre mounting, hole diameter | | mm | 22.5 |
| Joy stick length | | mm | 75 |
| Number of actuation directions | | | 2 |
| Number of switch positions | | | 0 |
| Number of normally open contacts per actuation direction | | | 0 |
| Number of normally closed contacts per actuation direction | | | 0 |
| Number of make-and-break contacts per direction | | | 0 |
| With retraction in 0-position | | | No |
| Locking in 0-position | | | No |
| Coder | | | No |
| Analogue output signal configurable | | | No |
| With front ring | | | Yes |
| Material front ring | | | Plastic |

| | | | |
|---|---|---|---|
| Colour front ring | | | Titanium |
| Degree of protection (IP) | | | IP66 |
| Degree of protection (NEMA) | | | 4X, 13 |


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