

# Specifications



## Eaton 110836

Eaton Moeller® series M22 Joystick, with 2 operating points per operating direction, With plastic shaft, 4 positions, Bezel: titanium, momentary

### General specifications

|                             |                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 Joystick                                                                           |
| <b>CATALOG NUMBER</b>       | 110836                                                                                                       |
| <b>MODEL CODE</b>           | M22-WJ4-2P                                                                                                   |
| <b>EAN</b>                  | 4015081103676                                                                                                |
| <b>PRODUCT LENGTH/DEPTH</b> | 100 mm                                                                                                       |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                        |
| <b>PRODUCT WIDTH</b>        | 30 mm                                                                                                        |
| <b>PRODUCT WEIGHT</b>       | 0.028 kg                                                                                                     |
| <b>CERTIFICATIONS</b>       | IEC/EN 60947<br>VDE 0660                                                                                     |
| <b>CATALOG NOTES</b>        | These joysticks are combined with normal normally open contacts M22-K10 and NO early-make contacts M22-K10P. |
| <b>GLOBAL CATALOG</b>       | 110836                                                                                                       |



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## Product specifications

|                                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>SPECIAL FEATURES</b>                                                                 | 2 operating points                                                                                       |
| <b>TYPE</b>                                                                             | Joystick                                                                                                 |
| <b>ACCESSORIES</b>                                                                      | Plastic shaft                                                                                            |
| <b>PRODUCT CATEGORY</b>                                                                 | RMQ-Titan                                                                                                |
| <b>ACTUATOR FUNCTION</b>                                                                | Momentary                                                                                                |
| <b>10.10 TEMPERATURE RISE</b>                                                           | Not applicable.                                                                                          |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                               |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                               |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                               |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                               |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Please enquire                                                                                           |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                               |
| <b>10.3 DEGREE OF PROTECTION OF</b>                                                     | Does not apply, since the entire switchgear needs to                                                     |

## Resources

### CATALOGS

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

### DECLARATIONS OF CONFORMITY

[eaton-pushbutton-declaration-of-conformity-eu250858en.pdf](#)

[eaton-key-operated-actuator-declaration-of-conformity-eu250865en.pdf](#)

[eaton-operating-operating-m22-joystick-dimensions.eps](#)

[eaton-operating-m22-joystick-dimensions.eps](#)

[eaton-operating-operating-m22-joystick-symbol-003.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

[eaton-general-m22-standards.eps](#)

[eaton-general-m22-symbol.eps](#)

### ECAD MODEL

[ETN.110836.edx](#)

### FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

### INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CD-joystick 4 fach](#)

[DA-CS-joystick 4 fach](#)

### MULTIMEDIA

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

|                                                                 |                                                                                                       |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>ASSEMBLIES</b>                                               | be evaluated.                                                                                         |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                   | Meets the product standard's requirements.                                                            |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                   | Does not apply, since the entire switchgear needs to be evaluated.                                    |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated.                                    |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's responsibility.                                                                |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.                                                                |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Is the panel builder's responsibility.                                                                |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                                                                |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Is the panel builder's responsibility.                                                                |
| <b>FITTED WITH:</b>                                             | Front ring<br>Retraction in 0-position<br>2 operating points per operating direction<br>Plastic shaft |
| <b>OPERATING FREQUENCY</b>                                      | 2000 Operations/h                                                                                     |
| <b>CLIMATIC PROOFING</b>                                        | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78                        |
| <b>CONNECTION TO SMARTWIRE-DT</b>                               | No                                                                                                    |
| <b>ACTUATING FORCE</b>                                          | 5 N                                                                                                   |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 70 °C                                                                                                 |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C                                                                                                |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>       | 0 W                                                                                                   |
| <b>FORCE FOR POSITIVE OPENING - MIN</b>                         | 0 N                                                                                                   |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                          | 0 W                                                                                                   |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>        | 0 W                                                                                                   |

|                    |                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | <a href="#">MCI MultiColor Light Indicator RMQ compact solution</a><br><br><a href="#">RMQ small E-Stop emergency-stop button</a><br><br><a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a>                                                                                                                |
| <b>SALES NOTES</b> | <a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a><br><br><a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a><br><br><a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a><br><br><a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a> |

|                                                                      |                                                                                                                           |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>JOYSTICK LENGTH</b>                                               | 75 mm                                                                                                                     |
| <b>NUMBER OF ACTUATION DIRECTIONS</b>                                | 4                                                                                                                         |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED) PER ACTUATION DIRECTION</b>  | 0                                                                                                                         |
| <b>NUMBER OF CONTACTS (NORMALLY OPEN) PER ACTUATION DIRECTION</b>    | 0                                                                                                                         |
| <b>NUMBER OF MAKE-AND-BREAK CONTACTS PER DIRECTION</b>               | 0                                                                                                                         |
| <b>NUMBER OF SWITCH LEVELS</b>                                       | 2                                                                                                                         |
| <b>OPENING DIAMETER</b>                                              | 22.5 mm                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 400 V, 415 V</b>         | 0 A                                                                                                                       |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                                                                       |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                                                                       |
| <b>BEZEL COLOR</b>                                                   | Titanium                                                                                                                  |
| <b>BEZEL MATERIAL</b>                                                | Plastic                                                                                                                   |
| <b>MOUNTING POSITION</b>                                             | As required                                                                                                               |
| <b>NUMBER OF POSITIONS</b>                                           | 4                                                                                                                         |
| <b>DEGREE OF PROTECTION</b>                                          | IP66<br>NEMA 4X, 13                                                                                                       |
| <b>LIFESPAN, MECHANICAL</b>                                          | 100,000 Operations                                                                                                        |
| <b>SHOCK RESISTANCE</b>                                              | 30 g, Mechanical,<br>According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms<br>Mechanical, According to IEC/EN 60068-2-27 |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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