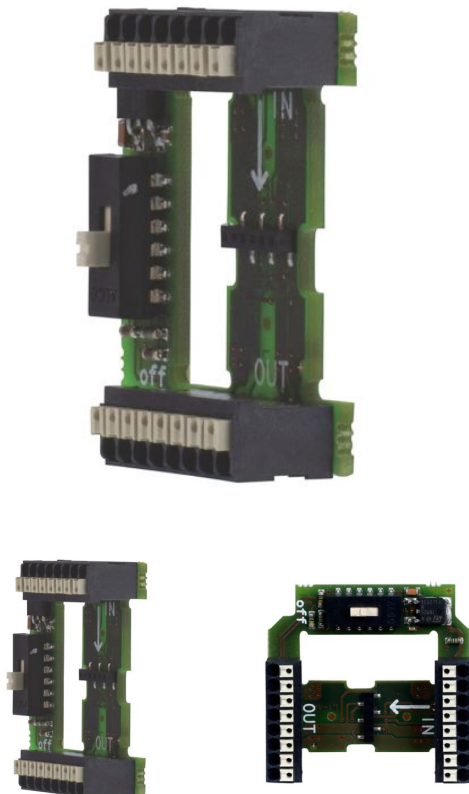


# Specifications



## Eaton 115990

Eaton Moeller® series M22 Card, SmartWire-DT, for enclosure with 1 mounting location

### General specifications

|                      |                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME         | Eaton Moeller® series M22 Card                                                                                       |
| CATALOG NUMBER       | 115990                                                                                                               |
| MODEL CODE           | M22-SWD-I1-LP01                                                                                                      |
| EAN                  | 4015081157303                                                                                                        |
| PRODUCT LENGTH/DEPTH | 49 mm                                                                                                                |
| PRODUCT HEIGHT       | 16 mm                                                                                                                |
| PRODUCT WIDTH        | 47 mm                                                                                                                |
| PRODUCT WEIGHT       | 0.01 kg                                                                                                              |
| CERTIFICATIONS       | CSA File No.: 2324643<br>CSA Class No.: 3211-07<br>UL File No.: E29184<br>UL<br>CSA<br>UL Category Control No.: NKCR |
| CATALOG NOTES        | Circuit boards for M22-I... surface mounting enclosure                                                               |
| GLOBAL CATALOG       | 115990                                                                                                               |

## Product specifications

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCESSORY/SPARE PART TYPE</b>                                                        | Accessory                                                                                                                        |
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <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>                                 | Meets the product standard's requirements.                                                                                       |
| <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</b>                                                                   | Does not apply, since the                                                                                                        |

## Resources

|                                   |                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATALOGS</b>                   | <a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a><br><br><a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a><br><br><a href="#">Flip catalog - Product Range Catalog - Command and indication</a>                                                      |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-function-element-declaration-of-conformity-eu250506en.pdf</a>                                                                                                                                                                                                                                         |
| <b>DRAWINGS</b>                   | <a href="#">eaton-modular-plc-mounting-m22-card-3d-drawing.eps</a>                                                                                                                                                                                                                                                      |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.M22-SWD-I1-LP01</a>                                                                                                                                                                                                                                                                               |
| <b>FLYERS</b>                     | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>                                                                                                                                                                                                                                               |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL04716004Z2021_10.pdf</a>                                                                                                                                                                                                                                                                                  |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">RMQ Flat Design</a>                                                                                                                                                                                                                                                                                         |
| <b>MANUALS AND USER GUIDES</b>    | <a href="#">MN05006002Z_EN</a>                                                                                                                                                                                                                                                                                          |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CD-leiterplatte_gr1</a><br><a href="#">DA-CS-leiterplatte_gr1</a>                                                                                                                                                                                                                                        |
| <b>MULTIMEDIA</b>                 | <a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a><br><br><a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a><br><br><a href="#">MCI MultiColor Light Indicator RMQ compact solution</a><br><br><a href="#">RMQ small E-Stop emergency-stop button</a> |
| <b>SALES NOTES</b>                | <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>                                                                                                                                                                                                                                    |

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>PROTECTION OF ASSEMBLIES</b>                                 | entire switchgear needs to 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>                                             | Connectable SmartWire-DT network terminator                        |
| <b>CONNECTION TO SMARTWIRE-DT</b>                               | Yes                                                                |
| <b>FUNCTIONS</b>                                                | For taking bottom function elements                                |
| <b>ELECTRICAL ACCESSORY TYPE</b>                                | Other                                                              |
| <b>MECHANICAL ACCESSORY TYPE</b>                                | Other                                                              |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 55 °C                                                              |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -30 °C                                                             |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>       | 0 W                                                                |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                          | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>        | 0 W                                                                |
| <b>NUMBER OF LOCATIONS</b>                                      | 1                                                                  |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED</b>                  | 0 A                                                                |

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[eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

[eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf](#)

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

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**HEAT DISSIPATION (IN)**

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**STATIC HEAT****DISSIPATION, NON-  
CURRENT-DEPENDENT  
PVS**0.3 W

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**PROJECT NAME:**

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**PROJECT NUMBER:**

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**PREPARED BY:**

---

**DATE:**

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