

# Specifications



## Eaton 216909

Eaton Moeller® series M22 Indicator light, RMQ-Titan, Flush, without light elements, For filament bulbs, neon bulbs and LEDs up to 2.4 W, with BA 9s lamp socket, green

### General specifications

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 indicator light                                                                                                                                                                |
| <b>CATALOG NUMBER</b>       | 216909                                                                                                                                                                                                   |
| <b>MODEL CODE</b>           | M22-LC-G                                                                                                                                                                                                 |
| <b>EAN</b>                  | 4015082169091                                                                                                                                                                                            |
| <b>PRODUCT LENGTH/DEPTH</b> | 53 mm                                                                                                                                                                                                    |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                                                                                                                    |
| <b>PRODUCT WIDTH</b>        | 30 mm                                                                                                                                                                                                    |
| <b>PRODUCT WEIGHT</b>       | 0.017 kg                                                                                                                                                                                                 |
| <b>CERTIFICATIONS</b>       | IEC/EN 60947<br>UL<br>UL 508<br>CSA File No.: 012528<br>UL Category Control No.: NKCR<br>CSA<br>VDE 0660<br>CE<br>IEC/EN 60947-5<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 14-05<br>UL File No.: E29184 |
| <b>CATALOG NOTES</b>        | Without light elements                                                                                                                                                                                   |



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## Actuator

|                       |                   |
|-----------------------|-------------------|
| <b>BEZEL COLOR</b>    | Chrome            |
| <b>BEZEL MATERIAL</b> | Other             |
| <b>DESIGN</b>         | Flush             |
| <b>FITTED WITH:</b>   | BA 9s lamp socket |
| <b>LENS COLOR</b>     | Green             |
| <b>LENS TYPE</b>      | Flat<br>Round     |

## Communication

|                                   |    |
|-----------------------------------|----|
| <b>CONNECTION TO SMARTWIRE-DT</b> | No |
|-----------------------------------|----|

## Climatic environmental conditions

|                                            |                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 70 °C                                                                          |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C                                                                         |
| <b>CLIMATIC PROOFING</b>                   | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

## Design verification

|                                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <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 ASSEMBLIES</b>                       | Does not apply, since the 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>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>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                |

## Electrical rating

|                                      |       |
|--------------------------------------|-------|
| <b>RATED INSULATION VOLTAGE (UI)</b> | 250 V |
|--------------------------------------|-------|

## General information

|                                          |             |
|------------------------------------------|-------------|
| <b>DEGREE OF PROTECTION</b>              | NEMA 4X, 13 |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b> | IP67/IP69K  |
| <b>MOUNTING POSITION</b>                 | As required |
| <b>OPENING DIAMETER</b>                  | 22.5 mm     |
| <b>OVERVOLTAGE CATEGORY</b>              | III         |
| <b>POLLUTION DEGREE</b>                  | 3           |

|                                                       |                         |
|-------------------------------------------------------|-------------------------|
| <b>PRODUCT CATEGORY</b>                               | RMQ-Titan               |
| <b>RATED IMPULSE<br/>WITHSTAND VOLTAGE<br/>(UIMP)</b> | 4000 V AC               |
| <b>SIZE</b>                                           | Front diameter: 29.7 mm |
| <b>TYPE</b>                                           | Indicator lights        |

## Terminal capacities

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>TERMINAL CAPACITY</b> | 0.5 - 1.5 mm <sup>2</sup> , stranded |
|                          | 0.5 - 1.5 mm <sup>2</sup> , solid    |

## Resources

|                            |                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a><br><a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>                                                                                                           |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-indicator-light-declaration-of-conformity-eu251537en.pdf</a><br><a href="#">eaton-operating-actuation-m22-indicator-light-dimensions.eps</a><br><a href="#">eaton-operating-indication-m22-indicator-light-dimensions-005.eps</a><br><a href="#">eaton-operating-button-symbol-004.eps</a> |
| DRAWINGS                   | <a href="#">eaton-general-approval-m22-symbol.eps</a><br><a href="#">eaton-general-m22-symbol.eps</a><br><a href="#">eaton-operating-indication-m22-indicator-light-3d-drawing-003.eps</a><br><a href="#">eaton-general-m22-standards.eps</a>                                                                |
| ECAD MODEL                 | <a href="#">ETN.M22-LC-G</a>                                                                                                                                                                                                                                                                                 |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL04716002Z</a>                                                                                                                                                                                                                                                                                  |
| MCAD MODEL                 | <a href="#">eaton-indicating-lights-mcad-drawings-compact-flach.dwg</a><br><a href="#">DA-CS-leuchtmelder_compact_flach</a>                                                                                                                                                                                  |

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



**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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