

Light element, LED, blue, front mount, 12-30VAC/DC, screw connection

**Part no.**                    **M22-LED-B**  
                                      **218057**  
**EL Number**                **4355370**  
**(Norway)**

|                                        |                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                           | Eaton Moeller® series M22 Accessory LED                                                                                                                                                                                                                                                                          |
| Part no.                               | M22-LED-B                                                                                                                                                                                                                                                                                                        |
| EAN                                    | 4015082180577                                                                                                                                                                                                                                                                                                    |
| Product Length/Depth                   | 38 millimetre                                                                                                                                                                                                                                                                                                    |
| Product height                         | 10 millimetre                                                                                                                                                                                                                                                                                                    |
| Product width                          | 37 millimetre                                                                                                                                                                                                                                                                                                    |
| Product weight                         | 0.011 kilogram                                                                                                                                                                                                                                                                                                   |
| Compliances                            | CE Marked                                                                                                                                                                                                                                                                                                        |
| Certifications                         | UL 508<br>EN 60947-5<br>CSA Std. C22.2 No. 14-05<br>CSA Std. C22.2 No. 94-91<br>IEC 60947-5<br>VDE<br>CSA Class No.: 3211-03<br>IEC 60947-5-1<br>CSA<br>UL File No.: E29184<br>CSA-C22.2 No. 94-91<br>CSA File No.: 012528<br>UL<br>IEC/EN 60947-5<br>CE<br>CSA-C22.2 No. 14-05<br>UL Category Control No.: NKCR |
| Product Tradename                      | M22                                                                                                                                                                                                                                                                                                              |
| Product Type                           | Accessory                                                                                                                                                                                                                                                                                                        |
| Product Sub Type                       | LED                                                                                                                                                                                                                                                                                                              |
| Fitted with:                           | Light source<br>Diode                                                                                                                                                                                                                                                                                            |
| Light color                            | Blue                                                                                                                                                                                                                                                                                                             |
| Degree of protection                   | IP20                                                                                                                                                                                                                                                                                                             |
| Lifespan, electrical                   | 100,000 h (at 25°C, according to EN60064)                                                                                                                                                                                                                                                                        |
| Operating torque                       | 0.8 N·m                                                                                                                                                                                                                                                                                                          |
| Overvoltage category                   | III                                                                                                                                                                                                                                                                                                              |
| Pollution degree                       | 3                                                                                                                                                                                                                                                                                                                |
| Rated impulse withstand voltage (Uimp) | 6000 V AC                                                                                                                                                                                                                                                                                                        |
| Type                                   | LED lamp                                                                                                                                                                                                                                                                                                         |
| Voltage type                           | AC/DC                                                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                           |
| Ambient operating temperature - min    | -25 °C                                                                                                                                                                                                                                                                                                           |
| Ambient operating temperature - max    | 70 °C                                                                                                                                                                                                                                                                                                            |
| Ambient storage temperature - min      | 40 °C                                                                                                                                                                                                                                                                                                            |
| Ambient storage temperature - max      | 80 °C                                                                                                                                                                                                                                                                                                            |
| Climatic proofing                      | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78                                                                                                                                                                                                                                   |
| Terminal capacity (solid)              | 0.75 - 2.5 mm²                                                                                                                                                                                                                                                                                                   |
| Terminal capacity (stranded)           | 0.5 - 2.5 mm²                                                                                                                                                                                                                                                                                                    |

|                                                                                  |  |  |                                                                                                                                  |
|----------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|
|                                                                                  |  |  |                                                                                                                                  |
| Power consumption                                                                |  |  | Max. 0.26 W                                                                                                                      |
| Rated insulation voltage (Ui)                                                    |  |  | 500 V                                                                                                                            |
| Rated operational current (Ie) - min                                             |  |  | 5 A                                                                                                                              |
| Rated operational current (Ie) - max                                             |  |  | 14 A                                                                                                                             |
| Rated operational voltage (Ue) at AC - max                                       |  |  | 30 V                                                                                                                             |
| Rated operational voltage (Ue) at AC - min                                       |  |  | 12 V                                                                                                                             |
| Rated operational voltage (Ue) at DC - max                                       |  |  | 30 V                                                                                                                             |
| Rated operational voltage (Ue) at DC - min                                       |  |  | 12 V                                                                                                                             |
|                                                                                  |  |  |                                                                                                                                  |
| Connection to SmartWire-DT                                                       |  |  | No                                                                                                                               |
| Connection type                                                                  |  |  | Front fixing                                                                                                                     |
|                                                                                  |  |  |                                                                                                                                  |
| Force for positive opening - min                                                 |  |  | 0 N                                                                                                                              |
|                                                                                  |  |  |                                                                                                                                  |
| 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                               |  |  | 0.45 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                                 |  |  | Meets the product standard's requirements.                                                                                       |
| 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                                                           |  |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 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) / Lamp holder block for control circuit devices (EC000204)                                                                                                           |  |   |         |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecI@ss10.0.1-27-37-12-09 [AKF027014]) |  |   |         |
| Transformer integrated                                                                                                                                                                                            |  |   | No      |
| With integrated voltage decreasing resistor                                                                                                                                                                       |  |   | No      |
| With light source                                                                                                                                                                                                 |  |   | Yes     |
| With integrated diode                                                                                                                                                                                             |  |   | Yes     |
| Lamp holder                                                                                                                                                                                                       |  |   | None    |
| Rated voltage Ue at AC 50 Hz                                                                                                                                                                                      |  | V | 12 - 30 |
| Rated voltage Ue at AC 60 Hz                                                                                                                                                                                      |  | V | 12 - 30 |

|                                   |   |                  |
|-----------------------------------|---|------------------|
| Rated voltage Ue at DC            | V | 12 - 30          |
| Voltage type for actuating        |   | AC/DC            |
| Lamp type                         |   | LED              |
| Connection type auxiliary circuit |   | Screw connection |
| Colour lamp                       |   | Blue             |
| Type of fastening                 |   | Front fastening  |