

LED, W2x4.6d, 18-30VDC, 7-12.5mA, blue

**Part no.**                    **LEDWB-B**  
**208727**

| <b>General specifications</b>  |  |  |
|--|--|--|
| Product name   |  | Eaton Moeller® series RMQ16 Accessory Single chip LED              |
| Part no.   |  | LEDWB-B  |
| EAN  |  | 4015082087272  |
| Product Length/Depth   |  | 17 millimetre  |
| Product height   |  | 5 millimetre   |
| Product width  |  | 5 millimetre   |
| Product weight   |  | 0.7 gram   |
| Certifications   |  | UL/CSA certification not required                                  |
| Product Tradename  |  | RMQ16  |
| Product Type   |  | Accessory  |
| Product Sub Type   |  | Single chip LED  |
| Catalog Notes  |  | Integral suppressor circuit up to 1000 V<br>Positive pole at X1    |
| <b>Features &amp; Functions</b>  |  |  |
| Color  |  | Blue   |
| <b>General information</b>   |  |  |
| Average nominal lifespan   |  | 100000 h   |
| Lifespan, electrical   |  | 100,000 h (at 25°C, according to EN60064)                          |
| Product category   |  | Accessories  |
| Voltage type   |  | DC   |
| <b>Climatic environmental conditions</b>   |  |  |
| Ambient operating temperature - min  |  | -25 °C   |
| Ambient operating temperature - max  |  | 60 °C  |
| <b>Electrical rating</b>   |  |  |
| Nominal current  |  | 12500 mA   |
| Nominal voltage - min  |  | 18 V   |
| Nominal voltage - max  |  | 30 V   |
| Power consumption  |  | 0.2505 W   |
| <b>Actuator</b>  |  |  |
| Actuator diameter  |  | 0 mm   |
| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | No   |
| <b>Design verification</b>   |  |  |
| Equipment heat dissipation, current-dependent P <sub>vid</sub>                   |  | 0 W  |
| Heat dissipation capacity P <sub>diss</sub>                                      |  | 0 W  |
| Heat dissipation per pole, current-dependent P <sub>vid</sub>                    |  | 0 W  |
| Rated operational current for specified heat dissipation (I <sub>n</sub> )       |  | 0 A  |
| Static heat dissipation, non-current-dependent P <sub>vs</sub>                   |  | 0.12 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. |

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| 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 9.0

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| Lamps (EG000028) / Single LED (EC001019)   |     |        |
| Electric engineering, automation, process control engineering / Lighting installation, device / Light medium / Single LED (ecl@ss13-27-11-06-36 [AKE247018]) |     |        |
| Colour   |     | Blue   |
| Luminous flux  | lm  | 0      |
| Nominal voltage  | V   | 30     |
| Voltage type   |     | DC     |
| Nominal current  | mA  | 12500  |
| Power consumption  | W   | 0.2505 |
| Diameter   | mm  | 0      |
| Length   | mm  | 17     |
| Beam angle   | °   | 360    |
| Energy efficiency class according to EU regulation 2019/2015   |     | F      |
| Weighted energy consumption in 1000 hours  | kWh | 240    |
| Average nominal lifespan   | h   | 100000 |