

**Part no.** PXS24-BB/80A/8TE  
PXS24BB00008

| General specifications   |  |  |
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| Product name   |  | Eaton Moeller series xEffect - PXS24 phase busbar                  |
| Part no.   |  | PXS24-BB/80A/8TE   |
| EAN  |  | 9010238036451  |
| Product Length/Depth   |  | 140 millimetre   |
| Product height   |  | 11.5 millimetre  |
| Product width  |  | 4 millimetre   |
| Product weight   |  | 0.033 kilogram   |
| Compliances  |  | RoHS conform   |
| Certifications   |  | IEC 61373<br>EN45545-2   |
| Product Tradename  |  | xEffect - PXS24  |
| Product Type   |  | Accessories  |
| Product Sub Type   |  | Phase busbar   |
| Delivery program   |  |  |
| Type   |  | Automation engineering 24V   |
| Amperage rating  |  | 80 A   |
| Number of poles  |  | Single-pole  |
| Number of phases   |  | 0  |
| Technical Data - Electrical  |  |  |
| Voltage rating   |  | 24 V DC (15 V DC - 30 V DC)  |
| Rated operational voltage (Ue) - max   |  | 30 V   |
| Rated surge voltage  |  | 0 kV   |
| Rated uninterrupted current (Iu)   |  | 80 A   |
| Rated conditional short-circuit current (Iq)                                     |  | 0 kA   |
| Rated short-time withstand current (Icw)   |  | 0 kA   |
| Electric connection type   |  | Other  |
| Technical Data - Mechanical  |  |  |
| Number of modular spacings   |  | 8  |
| Color  |  | Other  |
| Mounting method  |  | Can be snapped onto PXS24 modules                                  |
| Cross section  |  | 16 mm <sup>2</sup>   |
| Number of channels   |  | 0  |
| Design verification as per IEC/EN 61439 - technical data                         |  |  |
| Ambient operating temperature details  |  | -30 °C - 55 °C   |
| Permitted storage and transport temperature - min                                |  | -40 °C   |
| Permitted storage and transport temperature - max                                |  | 100 °C   |
| Design verification as per IEC/EN 61439  |  |  |
| 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.                         |

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| 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.                         |
| <b>Additional information</b>                            |  |  |
| Functions  |  | Automation engineering 24V   |
| Protection   |  | None   |
| Suitable for   |  | 8 devices<br>Devices with auxiliary switch   |
| Suitable for number of devices                           |  | 8  |

## Technical data ETIM 9.0

|   |                 |       |
|---|-----------------|-------|
| Low-voltage industrial components (EG000017) / Phase busbar (EC000215)  |                 |       |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Phase busbar (ec@ss13-27-37-13-06 [ACN992016]) |                 |       |
| Number of phases  |                 | 0     |
| Number of poles   |                 | 1     |
| Suitable for number of devices  |                 | 8     |
| Module width  | mm              | 17.5  |
| Cross section   | mm <sup>2</sup> | 16    |
| Length  | mm              | 140   |
| Can be cut to size  |                 | No    |
| Width in number of modular spacings   |                 | 8     |
| Rated permanent current I <sub>u</sub>  | A               | 80    |
| Type of electric connection   |                 | Other |
| Insulated   |                 | No    |
| Rated surge voltage   | kV              | 0     |
| Conditioned rated short-circuit current I <sub>q</sub>  | kA              | 0     |
| Max. rated operation voltage U <sub>e</sub>   | V               | 30    |
| Rated short-time withstand current I <sub>cw</sub>  | kA              | 0     |
| Suitable for devices with N-conductor   |                 | No    |
| Suitable for devices with auxiliary switch  |                 | Yes   |
| Colour  |                 | Other |