# DATASHEET - BBA2-80/2TS-S

**Busbar adapter, 72 mm, 80 A, DIN rail: 2**

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| **Part no.** | **BBA2-80/2TS-S** |
| **Catalog No.** | **116901** |
| **Alternate Catalog No.** | **BBA2-80-2TS-S** |

## Delivery program

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| Accessories | | | Busbar adapters |
| | | | Approved to UL 508<br>For fitting to flat Cu-busbars with 60 mm between busbar centres, suitable for 5 mm and 10 mm busbar thickness |
| Connection technique | | | Screw terminals |
| For use with | | | Busbar adapters PKZ2 |
| Rated operational voltage | $U_e$ | V | 690 |
| Rated operational current | $I_e$ | A | 80 |
| Adapter width | | mm | 72 |
| Adapter length | | mm | 214 |
| DIN rail | | Quantity | 2 |
| Adapter width | | mm | 72 |
| For use with | | | PKZM4, PKE65 + DILM(C)7<br>PKZM4, PKE65 + DILM(C)9<br>PKZM4, PKE65 + DILM(C)12<br>PKZM4, PKE65 + DILM(C)15<br>PKZM4, PKE65 + DILM(C)17<br>PKZM4, PKE65 + DILM(C)25<br>PKZM4, PKE65 + DILM(C)32<br>PKZM4, PKE65 + DILM(C)38<br>PKZM4, PKE65 + DILM(C)40<br>PKZM4, PKE65 + DILM(C)50<br>PKZM4, PKE65 + DILM(C)65 |

**Notes** Universal adapter for 1, 2, and 3-phase applications, not suitable without additional UL/CSA component.

## Design verification as per IEC/EN 61439

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| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | $I_n$ | A | 80 |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W | 0 |
| Equipment heat dissipation, current-dependent | $P_{vid}$ | W | 9.3 |
| Static heat dissipation, non-current-dependent | $P_{vs}$ | W | 0 |
| Heat dissipation capacity | $P_{diss}$ | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 55 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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. |

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| 10.9 Insulation properties | | | |
| 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. |