

Terminal block, 1 pole, 400A, 11 output terminals, ALU



Part no. BPZ-KB-11/400-ALU
102706
EL Number 1243567
(Norway)

| General specifications | |
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| Product name | Eaton xEnergy Basic LV systems Low voltage switchgear |
| Part no. | BPZ-KB-11/400-ALU |
| EAN | 4015081025664 |
| Product Length/Depth | 49 millimetre |
| Product height | 95.4 millimetre |
| Product width | 44.5 millimetre |
| Product weight | 0.5 kilogram |
| Compliances | RoHS conform |
| Certifications | IEC 60 947 -7 -1 |
| Product Tradename | xEnergy Basic |
| Product Type | LV systems |
| Product Sub Type | Low voltage switchgear |
| Delivery program | |
| Amperage rating | 400 A |
| Number of poles | Single-pole |
| Technical Data - Electrical | |
| Voltage rating at AC Cu (IEC) - max | 1000 V AC |
| Voltage rating at DC Cu (IEC) - max | 1500 V DC |
| Rated peak withstand current | 51 kA |
| Rated operation current (Ie) Cu (IEC) | 300 A |
| Rated short-time withstand current (Icw) | 21 kA |
| Technical Data - Mechanical | |
| Mounting method | Floor standing distribution board Surface mounting Flush mounting |
| Mounting position | Universal |
| Material | Aluminum |
| Degree of protection | IP10 |
| Number of clamp positions per pole | 12 |
| Number of clamping units per pole | 12 |
| Terminal capacity (single/multi-wire) | 3/0 - 5/0 AWG (incoming, fine wire (with sleeve)) 2.5 mm ² - 35 mm ² (outgoing) 14 - 8 AWG (outgoing, fine wire (with sleeve)) 2.5 mm ² - 10 mm ² (outgoing, fine wire (with sleeve)) 95 mm ² - 150 mm ² (incoming, fine wire (with sleeve)) 95 mm ² - 185 mm ² (incoming) 14 - 6 AWG (outgoing) 14 - 8 AWG (outgoing) 3/0 - 350 MCM AWG (incoming) 2.5 mm ² - 10 mm ² (outgoing) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (outgoing, fine wire (with sleeve)) 2.5 mm ² - 25 mm ² (outgoing, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (outgoing) 14 - 2 AWG (outgoing) 14 - 4 AWG (outgoing, fine wire (with sleeve)) |
| Conductor cross section (solid, solid-strand) - min | 2.5 mm ² |
| Conductor cross section (solid, solid-strand) - max | 185 mm ² |
| Clamp material | Brass Nickel plated |
| Torque rating | 25 Nm / 221.2 lbf (incoming). 2 Nm - 7 Nm / 17 lbf - 62 lbf (outgoing) |
| Housing color | Light gray (RAL 7035) |
| Housing material | PA66 |
| Design verification as per IEC/EN 61439 - technical data | |

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|----------------------------------|--|---|
| Heat deflection temperature | | 100 °C |
| Additional information | | |
| Comparative tracking index (CTI) | | 600 V |
| Flame classification (UL 94) | | V-0 |
| Functions | | Additional equipment |
| Special features | | <p>Clicks on DIN-rail or on base plate. Save time on wiring. Save 80% on space used. Modular construction, 1-4 pole Systems can be built with several blocks. Material, hexagon socket set screw: Steel This power distribution block is suitable for ALU and CU conductors. Please pay attention to the common handling guidelines when connecting the aluminium conductors. Clean and brush the contact surfaces and lubricate them with an appropriate grease. As precaution the connections should get retightened regularly. Zinc plated (Hexagon socket set screw, Surface finish)</p> |

Technical data ETIM 9.0

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| Energy distribution systems (EG000015) / Distributor assembly terminal blocks (EC001894) | | |
| Electric engineering, automation, process control engineering / Electrical insulation and connecting material / Energy distribution system / Distributor assembly terminal blocks (ecl@ss13-27-40-06-09 [AC0381016]) | | |
| Height | mm | 95.4 |
| Width | mm | 44.5 |
| Depth | mm | 49 |
| Max. rated current | A | 400 |
| Number of poles | | 1 |
| Conductor cross section flexible (fine-strand) with cable end sleeve | mm ² | 2.5 - 185 |
| Conductor cross section solid (solid, stranded) | mm ² | 2.5 - 185 |
| Number of clamp positions per pole | | 12 |
| With PE-rail | | No |
| With N-rail | | No |