

Terminal block, 1 pole, 400A, 1 output terminal, ALU



**Part no.** BPZ-KB-1/400-ALU  
**102710**  
**EL Number** 1243568  
**(Norway)**

| General specifications                                   |  |   |
|--|--|---|
| Product name   |  | Eaton xEnergy Basic other accessory   |
| Part no.   |  | BPZ-KB-1/400-ALU  |
| EAN  |  | 4015081025701   |
| Product Length/Depth                                     |  | 80.5 millimetre   |
| Product height   |  | 145.5 millimetre  |
| Product width  |  | 39 millimetre   |
| Product weight   |  | 0.292 kilogram  |
| Compliances  |  | RoHS conform  |
| Certifications   |  | IEC 60 947 -7 -1  |
| Product Tradename  |  | xEnergy Basic   |
| Product Type   |  | Accessories   |
| Product Sub Type   |  | Other   |
| 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 Al (IEC) - max                      |  | 1500 V DC   |
| Voltage rating at DC Cu (IEC) - max                      |  | 1500 V DC   |
| Rated operation current (Ie) Al (IEC)                    |  | 300 A   |
| Rated operation current (Ie) Cu (IEC)                    |  | 400 A   |
| Technical Data - Mechanical                              |  |   |
| Mounting method  |  | Floor standing distribution board<br>Surface mounting<br>Flush mounting   |
| Mounting position  |  | Universal   |
| Material   |  | Aluminum  |
| Degree of protection                                     |  | IP10  |
| Number of clamp positions per pole                       |  | 2   |
| Number of clamping units per pole                        |  | 2   |
| Terminal capacity (single/multi-wire)                    |  | 35 mm <sup>2</sup> - 240 mm <sup>2</sup> (outgoing)<br>2 - 500 MCM AWG (incoming)<br>35 mm <sup>2</sup> - 240 mm <sup>2</sup> (incoming)<br>6 - 400 MCM AWG (incoming, fine wire (with sleeve))<br>16 mm <sup>2</sup> - 185 mm <sup>2</sup> (incoming, fine wire (with sleeve))<br>16 mm <sup>2</sup> - 185 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) |
| Conductor cross section (solid, solid-strand) - min      |  | 35 mm <sup>2</sup>  |
| Conductor cross section (solid, solid-strand) - max      |  | 240 mm <sup>2</sup>   |
| Clamp material   |  | Plated<br>Aluminum  |
| Torque rating  |  | 20 Nm / 177 lbf (incoming). 20 Nm / 177 lbf (outgoing)  |
| Housing color  |  | Light gray (RAL 7035)   |
| Housing material   |  | PA66  |
| Design verification as per IEC/EN 61439 - technical data |  |   |
| Heat deflection temperature                              |  | 100 °C  |
| Additional information                                   |  |   |
| Comparative tracking index (CTI)                         |  | 600 V   |
| Flame classification (UL 94)                             |  | V-0   |
| Functions  |  | Additional equipment  |
| Special features   |  | Al-sector conductors tested up to 70mm <sup>2</sup>   |

Sector shaped Al-conductors 95mm<sup>2</sup>-240mm<sup>2</sup> have to be pre-rounded with a crimping-tool.  
 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.

## Technical data ETIM 9.0

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  
 (ec@ss13-27-40-06-09 [ACO381016])

|  |                 |          |
|--|-----------------|----------|
| Height   | mm              | 145.5    |
| Width  | mm              | 39       |
| Depth  | mm              | 80.5     |
| Max. rated current   | A               | 400      |
| Number of poles  |                 | 1        |
| Conductor cross section flexible (fine-strand) with cable end sleeve | mm <sup>2</sup> | 35 - 240 |
| Conductor cross section solid (solid, stranded)                      | mm <sup>2</sup> | 35 - 240 |
| Number of clamp positions per pole                                   |                 | 2        |
| With PE-rail   |                 | No       |
| With N-rail  |                 | No       |