

Terminal block, 1 pole, 160 A, 6 output terminals, ALU



**Part no.** BPZ-KB-6/160-ALU  
**102704**  
**EL Number** 1243562  
**(Norway)**

| General specifications                                   |  |  |
|--|--|--|
| Product name   |  | Eaton xEnergy Basic other accessory  |
| Part no.   |  | BPZ-KB-6/160-ALU   |
| EAN  |  | 4015081025640  |
| Product Length/Depth                                     |  | 50 millimetre  |
| Product height   |  | 92.1 millimetre  |
| Product width  |  | 35.1 millimetre  |
| Product weight   |  | 0.262 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  |  | 160 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 peak withstand current                             |  | 30 kA  |
| Rated operation current (Ie) Al (IEC)                    |  | 125 A  |
| Rated operation current (Ie) Cu (IEC)                    |  | 160 A  |
| Rated short-time withstand current (Icw)                 |  | 11 kA  |
| Technical Data - Mechanical                              |  |  |
| Mounting method  |  | Flush mounting<br>Surface mounting<br>Floor standing distribution board  |
| Mounting position  |  | Universal  |
| Material   |  | Aluminum   |
| Degree of protection                                     |  | IP20   |
| Number of clamp positions per pole                       |  | 7  |
| Number of clamping units per pole                        |  | 7  |
| Terminal capacity (single/multi-wire)                    |  | 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing, fine wire (with sleeve))<br>14 - 6 AWG (outgoing, fine wire (with sleeve))<br>10 mm <sup>2</sup> - 70 mm <sup>2</sup> (incoming)<br>14 - 6 AWG (outgoing)<br>2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing)<br>8 - 1 AWG (incoming, fine wire (with sleeve))<br>8 - 2/0 AWG (incoming)<br>10 mm <sup>2</sup> - 50 mm <sup>2</sup> (incoming, fine wire (with sleeve)) |
| Conductor cross section (solid, solid-strand) - min      |  | 2.5 mm <sup>2</sup>  |
| Conductor cross section (solid, solid-strand) - max      |  | 70 mm <sup>2</sup>   |
| Clamp material   |  | Brass<br>Nickel plated   |
| Torque rating  |  | 5 Nm - 6 Nm / 44 lbf - 53 lbf (incoming). 1.5 Nm - 3 Nm / 13.2 lbf - 26.5 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                 |  | <p>Clicks on DIN-rail or on base plate.<br/> Save time on wiring.<br/> Save 80% on space used.<br/> Modular construction, 1-4 pole Systems can be built with several blocks.<br/> Material, hexagon socket set screw: Steel<br/> This power distribution block is suitable for ALU and CU conductors.<br/> Please pay attention to the common handling guidelines when connecting the aluminium conductors.<br/> Clean and brush the contact surfaces and lubricate them with an appropriate grease.<br/> As precaution the connections should get retightened regularly.<br/> Zinc plated (Hexagon socket set screw, Surface finish)</p> |

## 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<br>(ec1@ss13-27-40-06-09 [AC0381016]) |  |                 |          |
| Height  |  | mm              | 92.1     |
| Width   |  | mm              | 35.1     |
| Depth   |  | mm              | 50       |
| Max. rated current  |  | A               | 160      |
| Number of poles   |  |                 | 1        |
| Conductor cross section flexible (fine-strand) with cable end sleeve  |  | mm <sup>2</sup> | 2.5 - 70 |
| Conductor cross section solid (solid, stranded)   |  | mm <sup>2</sup> | 2.5 - 70 |
| Number of clamp positions per pole  |  |                 | 7        |
| With PE-rail  |  |                 | No       |
| With N-rail   |  |                 | No       |