

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 Surface mounting 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)) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 10 mm <sup>2</sup> - 70 mm <sup>2</sup> (incoming) 14 - 6 AWG (outgoing) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing) 8 - 1 AWG (incoming, fine wire (with sleeve)) 8 - 2/0 AWG (incoming) 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 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.  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

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 (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