

Terminal block, 1 pole, 125 A, 6 output terminals, ALU



**Part no.** BPZ-KB-6/125-ALU  
**102703**  
**EL Number** 1243561  
**(Norway)**

General specifications		
Product name		Eaton xEnergy Basic other accessory
Part no.		BPZ-KB-6/125-ALU
EAN		4015081025633
Product Length/Depth		46.3 millimetre
Product height		73.8 millimetre
Product width		27 millimetre
Product weight		0.15 kilogram
Compliances		RoHS conform
Certifications		UL 1059 IEC 60 947 -7 -1
Product Tradename		xEnergy Basic
Product Type		Accessories
Product Sub Type		Other
Delivery program		
Amperage rating		125 A
Number of poles		Single-pole
Technical Data - Electrical		
Voltage rating at AC Cu (IEC) - max		1000 V AC
Voltage rating at AC Cu (UL) - max		600 V AC
Voltage rating at DC Cu (IEC) - max		1500 V DC
Rated peak withstand current		30 kA
Rated operation current (Ie) Cu (IEC)		125 A
Rated operation current (Ie) Cu (UL)		115 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)		14 - 6 AWG (incoming) 14 - 6 AWG (outgoing) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) 8 - 2 AWG (incoming) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 6 mm <sup>2</sup> - 16 mm <sup>2</sup> (incoming) 8 - 2 AWG (incoming, fine wire (with sleeve)) 10 mm <sup>2</sup> - 35 mm <sup>2</sup> (incoming, fine wire (with sleeve)) 14 - 6 AWG (incoming, fine wire (with sleeve)) 6 mm <sup>2</sup> - 16 mm <sup>2</sup> (incoming, fine wire (with sleeve)) 10 mm <sup>2</sup> - 35 mm <sup>2</sup> (incoming)
Conductor cross section (solid, solid-strand) - min		2.5 mm <sup>2</sup>
Conductor cross section (solid, solid-strand) - max		35 mm <sup>2</sup>
Clamp material		Brass Nickel plated
Torque rating		3.5 Nm - 5 Nm / 31 lbf - 44 lbf (incoming), 2 Nm - 3 Nm / 17.7 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	73.8
Width		mm	27
Depth		mm	46.3
Max. rated current		A	125
Number of poles			1
Conductor cross section flexible (fine-strand) with cable end sleeve		mm <sup>2</sup>	2.5 - 35
Conductor cross section solid (solid, stranded)		mm <sup>2</sup>	2.5 - 35
Number of clamp positions per pole			7
With PE-rail			No
With N-rail			No