

Terminal block, 1 pole, 175A, 10 output terminals, ALU



**Part no.** BPZ-KB-10/175-ALU  
**102707**  
**EL Number** 1243565  
**(Norway)**

General specifications	
Product name	Eaton xEnergy Basic LV systems Low voltage switchgear
Part no.	BPZ-KB-10/175-ALU
EAN	4015081025671
Product Length/Depth	43 millimetre
Product height	71 millimetre
Product width	45 millimetre
Product weight	0.245 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	175 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)	175 A
Rated short-time withstand current (Icw)	11 kA
Technical Data - Mechanical	
Mounting method	Surface mounting Flush mounting Floor standing distribution board
Mounting position	Universal
Material	Aluminum
Degree of protection	IP20
Number of clamp positions per pole	11
Number of clamping units per pole	11
Terminal capacity (single/multi-wire)	16 mm <sup>2</sup> - 50 mm <sup>2</sup> (incoming, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 10 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) 14 - 6 AWG (outgoing) 16 mm <sup>2</sup> - 70 mm <sup>2</sup> (incoming) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing) 6 - 1 AWG (incoming, fine wire (with sleeve)) 6 - 2/0 AWG (incoming) 14 - 8 AWG (outgoing, 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	Nickel plated Brass
Torque rating	6 Nm - 10 Nm / 53.1 lbf - 88.5 lbf (incoming). 3 Nm - 4 Nm / 7 lbf - 13.2 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	71
Width		mm	45
Depth		mm	43
Max. rated current		A	175
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			11
With PE-rail			No
With N-rail			No