

Terminal block, 1 pole, 175A, 1 output terminal, ALU



Part no. BPZ-KB-1/175-ALU
102709
EL Number 1243563
(Norway)

General specifications	
Product name	Eaton xEnergy Basic LV systems Low voltage switchgear
Part no.	BPZ-KB-1/175-ALU
EAN	4015081025695
Product Length/Depth	49.4 millimetre
Product height	72.5 millimetre
Product width	25.4 millimetre
Product weight	0.133 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 Al (UL) - max	600 V AC
Voltage rating at AC Cu (IEC) - max	1000 V AC
Voltage rating at AC Cu (UL) - max	600 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)	125 A
Rated operation current (Ie) Cu (IEC)	175 A
Rated operation current (Ie) Cu (UL)	175 A
Rated short-circuit strength	100 kA with back-up fuse
Technical Data - Mechanical	
Mounting method	Surface mounting Floor standing distribution board Flush mounting
Mounting position	Universal
Material	Aluminum
Degree of protection	IP20
Number of clamp positions per pole	2
Number of clamping units per pole	2
Terminal capacity (single/multi-wire)	6 - 1 AWG (outgoing, fine wire (with sleeve)) 6 - 1 AWG (incoming, fine wire (with sleeve)) 6 - 2/0 AWG (incoming) 16 mm ² - 70 mm ² (incoming) 16 mm ² - 70 mm ² (outgoing) 6 - 2/0 AWG (outgoing) 16 mm ² - 50 mm ² (incoming, fine wire (with sleeve)) 16 mm ² - 50 mm ² (outgoing, fine wire (with sleeve))
Conductor cross section (solid, solid-strand) - min	2.5 mm ²
Conductor cross section (solid, solid-strand) - max	50 mm ²
Clamp material	Plated Brass
Torque rating	6 Nm - 11.4 Nm / 53.1 lbf - 100 lbf (incoming). 6 Nm - 11.4 Nm / 53.1 lbf - 100 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>Al-sector conductors tested up to 50mm² 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 [ACO381016])		
Height	mm	72.5
Width	mm	25.4
Depth	mm	49.4
Max. rated current	A	175
Number of poles		1
Conductor cross section flexible (fine-strand) with cable end sleeve	mm ²	2.5 - 50
Conductor cross section solid (solid, stranded)	mm ²	2.5 - 50
Number of clamp positions per pole		2
With PE-rail		No
With N-rail		No