

Terminal block, 1 pole, 400A, 11 output terminals, ALU



**Part no.** BPZ-KB-11/400-ALU  
**102706**  
**EL Number** 1243567  
**(Norway)**

General specifications		
Product name		Eaton xEnergy Basic LV systems Low voltage switchgear
Part no.		BPZ-KB-11/400-ALU
EAN		4015081025664
Product Length/Depth		49 millimetre
Product height		95.4 millimetre
Product width		44.5 millimetre
Product weight		0.5 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		400 A
Number of poles		Single-pole
Technical Data - Electrical		
Voltage rating at AC Cu (IEC) - max		1000 V AC
Voltage rating at DC Cu (IEC) - max		1500 V DC
Rated peak withstand current		51 kA
Rated operation current (Ie) Cu (IEC)		300 A
Rated short-time withstand current (Icw)		21 kA
Technical Data - Mechanical		
Mounting method		Floor standing distribution board Surface mounting Flush mounting
Mounting position		Universal
Material		Aluminum
Degree of protection		IP10
Number of clamp positions per pole		12
Number of clamping units per pole		12
Terminal capacity (single/multi-wire)		3/0 - 5/0 AWG (incoming, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 35 mm <sup>2</sup> (outgoing) 14 - 8 AWG (outgoing, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 10 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) 95 mm <sup>2</sup> - 150 mm <sup>2</sup> (incoming, fine wire (with sleeve)) 95 mm <sup>2</sup> - 185 mm <sup>2</sup> (incoming) 14 - 6 AWG (outgoing) 14 - 8 AWG (outgoing) 3/0 - 350 MCM AWG (incoming) 2.5 mm <sup>2</sup> - 10 mm <sup>2</sup> (outgoing) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 25 mm <sup>2</sup> (outgoing, fine wire (with sleeve)) 2.5 mm <sup>2</sup> - 16 mm <sup>2</sup> (outgoing) 14 - 2 AWG (outgoing) 14 - 4 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		185 mm <sup>2</sup>
Clamp material		Brass Nickel plated
Torque rating		25 Nm / 221.2 lbf (incoming). 2 Nm - 7 Nm / 17 lbf - 62 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
<b>Additional information</b>		
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 (ecl@ss13-27-40-06-09 [AC0381016])		
Height	mm	95.4
Width	mm	44.5
Depth	mm	49
Max. rated current	A	400
Number of poles		1
Conductor cross section flexible (fine-strand) with cable end sleeve	mm <sup>2</sup>	2.5 - 185
Conductor cross section solid (solid, stranded)	mm <sup>2</sup>	2.5 - 185
Number of clamp positions per pole		12
With PE-rail		No
With N-rail		No