

Terminal block, 1 pole, 400A, 1 output terminal, ALU



Part no. BPZ-KB-1/400-ALU
102710
EL Number 1243568
(Norway)

General specifications		
Product name		Eaton xEnergy Basic other accessory
Part no.		BPZ-KB-1/400-ALU
EAN		4015081025701
Product Length/Depth		80.5 millimetre
Product height		145.5 millimetre
Product width		39 millimetre
Product weight		0.292 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		400 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 operation current (Ie) Al (IEC)		300 A
Rated operation current (Ie) Cu (IEC)		400 A
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		2
Number of clamping units per pole		2
Terminal capacity (single/multi-wire)		35 mm ² - 240 mm ² (outgoing) 2 - 500 MCM AWG (incoming) 35 mm ² - 240 mm ² (incoming) 6 - 400 MCM AWG (incoming, fine wire (with sleeve)) 16 mm ² - 185 mm ² (incoming, fine wire (with sleeve)) 16 mm ² - 185 mm ² (outgoing, fine wire (with sleeve))
Conductor cross section (solid, solid-strand) - min		35 mm ²
Conductor cross section (solid, solid-strand) - max		240 mm ²
Clamp material		Plated Aluminum
Torque rating		20 Nm / 177 lbf (incoming). 20 Nm / 177 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		Al-sector conductors tested up to 70mm ²

Sector shaped Al-conductors 95mm²-240mm² have to be pre-rounded with a crimping-tool.
 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.

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
 (ec@ss13-27-40-06-09 [ACO381016])

Height	mm	145.5
Width	mm	39
Depth	mm	80.5
Max. rated current	A	400
Number of poles		1
Conductor cross section flexible (fine-strand) with cable end sleeve	mm ²	35 - 240
Conductor cross section solid (solid, stranded)	mm ²	35 - 240
Number of clamp positions per pole		2
With PE-rail		No
With N-rail		No