DATASHEET - BPZ-KB-2/400-ALU

Terminal block, 1-pole, 400A, 2 output terminals, ALU

Part no.	**BPZ-KB-2/400-ALU**
	178403
EL Number (Norway)	**2455914**

General specifications	
Product name	Eaton xEnergy Basic other accessory
Part no.	BPZ-KB-2/400-ALU
EAN	4015081737062
Product Length/Depth	50.2 millimetre
Product height	103 millimetre
Product width	44.4 millimetre
Product weight	0.585 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 peak withstand current	50 kA
Rated operation current (Ie) Al (IEC)	350 A
Rated operation current (Ie) Cu (IEC)	400 A
Rated short-time withstand current (Icw)	21 kA
Technical Data - Mechanical	
Mounting method	Floor standing distribution board Flush mounting Surface mounting
Mounting position	Universal
Material	Aluminum
Degree of protection	IP10
Number of clamp positions per pole	3
Number of clamping units per pole	3
Terminal capacity (single/multi-wire)	50 mm^2 - 120 mm^2 (outgoing) 70 mm^2 - 185 mm^2 (incoming, fine wire (with sleeve)) 2/0 - 6/0 AWG (incoming, fine wire (with sleeve)) 35 mm^2 - 95 mm^2 (outgoing, fine wire (with sleeve)) 3/0 - 500 MCM AWG (incoming) 95 mm^2 - 240 mm^2 (incoming) 1 - 4/0 AWG (outgoing) 2 - 3/0 AWG (outgoing, fine wire (with sleeve))
Conductor cross section (solid, solid-strand) - min	50 mm^2
Conductor cross section (solid, solid-strand) - max	240 mm^2
Clamp material	Brass Nickel plated
Torque rating	25 Nm / 221.2 lbf (incoming). 19 Nm / 168.1 lbf (outgoing). Allen key 8 mm
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			Zinc plated (Hexagon socket set screw, Surface finish) As precaution the connections should get retightened regularly. Clean and brush the contact surfaces and lubricate them with an appropriate grease. Please pay attention to the common handling guidelines when connecting the aluminium conductors. This power distribution block is suitable for ALU and CU conductors. Material, hexagon socket set screw: Steel Modular construction, 1-4 pole Systems can be built with several blocks. Save 80% on space used. Save time on wiring. Clicks on DIN-rail or on base plate.

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 [ACO381016])

Height		mm	103
Width		mm	44.4
Depth		mm	50.2
Max. rated current		A	400
Number of poles			1
Conductor cross section flexible (fine-strand) with cable end sleeve		mm^2	35 - 185
Conductor cross section solid (solid, stranded)		mm^2	50 - 240
Number of clamp positions per pole			3
With PE-rail			No
With N-rail			No

© 04/2023 by Eaton Industries GmbH