



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

Part no. BPZ-KB-1/400-ALU
Article no. 102710

Delivery programme

Mounting type			Floor standing distribution board Surface mounted Flush mounted
Material			Aluminium
Degree of Protection			IP20
Mounting position			universal
Number of poles			1 pole
Width		mm	39
Depth		mm	80
Height		mm	145
Number of clamping units per pole			2
Rated device current		A	400

Technical data

General

Standards			IEC 60 947 -7 -1
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)			conform
Heat deflection temperature		?C	100
UL 94 flame classification			V-0
Comparative tracking index		V	600
Degree of Protection			IP20
Assembly details			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.
Important			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.

Electrical

IEC			
Max. electrical load / Al		A	300
Max. electrical load / Cu		A	400
Max. operating voltage / Al		V AC	1000
Max. operating voltage / Al		V DC	1500
Max. operating voltage / Cu		V AC	1000
Max. operating voltage / Cu		V DC	1500

Material characteristics

Material			
Clamping body			Aluminium
Housing			PA66
Hexagon socket set screw			Steel
Surface finish			
Clamping body			Plated
Hexagon socket set screw			Zn-Plated
Colour			
Housing			grey, RAL 7035

Terminal capacity

Incomer			
single wire/multi wire		mm ²	35 - 240

single wire/multi wire		AWG	2 - 500 MCM
fine wire (with sleeve)		mm ²	16 - 185
fine wire (with sleeve)		AWG	6 - 400 MCM
Flat copper bars			9 x 4 - 20 x 10
Torque		N/m	20
Torque		lbf	177
Outgoings			
single wire/multi wire		mm ²	35 - 240
fine wire (with sleeve)		mm ²	16 - 185
Flat copper bars		mm	9 x 4 - 20 x 10
Torque		N/m	20
Torque		lbf	177
Notes regarding connection			Al-sector conductors tested up to 70mm ² Sector shaped Al-conductors 95mm ² - 240mm ² have to be pre-rounded with a crimping-tool.

Technical data ETIM 6.0

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 (ecI@ss8.1-27-40-06-09 [ACO381008])			
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

Dimensions

