



## Terminal block, 1-pole; 400A; 6 output terminals; ALU

**Part no.** BPZ-KB-6/400-ALU  
**Article no.** 178402

### 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	44
Depth		mm	50
Height		mm	103
Number of clamping units per pole			7
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	350
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
Rated peak withstand current	$I_{pk}$	kA	50
Rated short-time withstand current (t=1s)	$I_{cw}$	kA	21

#### Material characteristics

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

#### Terminal capacity

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single wire/multi wire	mm <sup>2</sup>	95 - 240
single wire/multi wire	AWG	3/0 - 500 MCM
fine wire (with sleeve)	mm <sup>2</sup>	70 - 185
fine wire (with sleeve)	AWG	2/0 - 6/0
Torque	N/m	25 (Allen Key 8 mm)
Torque	lbf	221.2 (Allen Key 8 mm)
Outgoings		
single wire/multi wire	mm <sup>2</sup>	10 - 50
single wire/multi wire	AWG	8 - 1
fine wire (with sleeve)	mm <sup>2</sup>	6 - 35
fine wire (with sleeve)	AWG	10 - 2
Torque	N/m	3.5 - 7
Torque	lbf	31 - 62 (Allen key 8 mm)

## 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  
(ec1@ss8.1-27-40-06-09 [ACO381008])

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 <sup>2</sup>	6 - 185
Conductor cross section solid (solid, stranded)	mm <sup>2</sup>	10 - 240
Number of clamp positions per pole		7
With PE-rail		No
With N-rail		No

## Dimensions

