



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

**Part no.** BPZ-KB-1/400-ALU  
**Catalog No.** 102710

**EL-Nummer (Norway)** 1243568

### Delivery program

Mounting type			Floor standing distribution board Surface mounted Flush mounted
Material			Aluminium
Degree of Protection			IP10
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			IP10
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

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single wire/multi wire	mm <sup>2</sup>	35 - 240
single wire/multi wire	AWG	2 - 500 MCM
fine wire (with sleeve)	mm <sup>2</sup>	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
<b>Outgoings</b>		
single wire/multi wire	mm <sup>2</sup>	35 - 240
fine wire (with sleeve)	mm <sup>2</sup>	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 <sup>2</sup> Sector shaped Al-conductors 95mm <sup>2</sup> - 240mm <sup>2</sup> have to be pre-rounded with a crimping-tool.

## Technical data ETIM 8.0

Energy distribution systems (EG000015) / Distributor assembly terminal blocks (EC001894)		
Electric engineering, automation, process control engineering / Electrical insulation and connecting material / Energy distribution system / Enclosure case with block terminals (ec1@ss10.0.1-27-40-06-32 [AFR290003])		
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 <sup>2</sup>	35 - 240
Conductor cross section solid (solid, stranded)	mm <sup>2</sup>	35 - 240
Number of clamp positions per pole		2
With PE-rail		No
With N-rail		No

## Dimensions

