



## Terminal block 3 poles, 175A, 1 input-, 6 output terminals, ALU

**Part no.** BPZ-KB-6/175-ALU  
**Article no.** 102708

### Delivery program

Mounting type			Floor standing distribution board Surface mounted Flush mounted
Material			Aluminium
Degree of Protection			IP20
Mounting position			universal
Number of poles			3 pole
Width		mm	80
Depth		mm	43
Height		mm	71
Number of clamping units per pole			7
Rated device current		A	175

### 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	125
Max. electrical load / Cu		A	175
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	30
Rated short-time withstand current (t=1s)	$I_{cw}$	kA	11

#### 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

Incomer			
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single wire/multi wire	mm <sup>2</sup>	16 - 70
single wire/multi wire	AWG	8 - 2/0
fine wire (with sleeve)	mm <sup>2</sup>	16 - 50
fine wire (with sleeve)	AWG	6 - 1
Torque	N/m	6 - 10
Torque	lbf	53.1 - 88.5
Outgoings		
single wire/multi wire	mm <sup>2</sup>	2.5 - 16
single wire/multi wire	AWG	14 - 6
fine wire (with sleeve)	mm <sup>2</sup>	2.5 - 10
fine wire (with sleeve)	AWG	14 - 8
Torque	N/m	3 - 4
Torque	lbf	26.5 - 35.4

## 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	71
Width	mm	80.1
Depth	mm	43
Max. rated current	A	175
Number of poles		1
Conductor cross section flexible (fine-strand) with cable end sleeve	mm <sup>2</sup>	2.5 - 70
Conductor cross section solid (solid, stranded)	mm <sup>2</sup>	2.5 - 70
Number of clamp positions per pole		7
With PE-rail		No
With N-rail		No

## Dimensions

