



Terminal block 1 pole, 175A, 1 output terminal, ALU

Part no. BPZ-KB-1/175-ALU
Article no. 102709

Delivery program

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	25
Depth		mm	49
Height		mm	72
Number of clamping units per pole			2
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
UL			
Max. electrical load / Cu		A	175
Max. operating voltage / Al		V AC	600
Max. operating voltage / Cu		V AC	600
Rated short-circuit strength	I_{cn}	kA	100 with back-up fuse

Material characteristics

Material			
Clamping body			Brass
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	16 - 70
single wire/multi wire	AWG	6 - 2/0
fine wire (with sleeve)	mm ²	16 - 50
fine wire (with sleeve)	AWG	6 - 1
Torque	N/m	6 - 11.4
Torque	lbf	53.1 - 100
Outgoings		
single wire/multi wire	mm ²	16 - 70
single wire/multi wire	AWG	6 - 2/0
fine wire (with sleeve)	mm ²	16 - 50
fine wire (with sleeve)	AWG	6 - 1
Torque	N/m	6 - 11.4
Torque	lbf	53.1 - 100
Notes regarding connection		Al-sector conductors tested up to 50mm ²

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 (ec@ss8.1-27-40-06-09 [ACO381008])		
Height	mm	72.5
Width	mm	25.4
Depth	mm	49.4
Max. rated current	A	175
Number of poles		1
Conductor cross section flexible (fine-strand) with cable end sleeve	mm ²	2.5 - 50
Conductor cross section solid (solid, stranded)	mm ²	2.5 - 50
Number of clamp positions per pole		2
With PE-rail		No
With N-rail		No

Dimensions

