



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 | | | |
|---------|--|--|--|

| | | |
|-------------------------|-----------------|-------------|
| single wire/multi wire | mm ² | 16 - 70 |
| single wire/multi wire | AWG | 8 - 2/0 |
| fine wire (with sleeve) | mm ² | 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 ² | 2.5 - 16 |
| single wire/multi wire | AWG | 14 - 6 |
| fine wire (with sleeve) | mm ² | 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 [AC0381008])

| | | |
|--|-----------------|----------|
| 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 ² | 2.5 - 70 |
| Conductor cross section solid (solid, stranded) | mm ² | 2.5 - 70 |
| Number of clamp positions per pole | | 7 |
| With PE-rail | | No |
| With N-rail | | No |

Dimensions

