



Terminal block 1 pole, 125A, 6 output terminals, ALU

Part no. BPZ-KB-6/125-ALU
Article no. 102703

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	27
Depth		mm	46
Height		mm	73
Number of clamping units per pole			7
Rated device current		A	125

Technical data

General

Standards			IEC 60 947 -7 -1 UL 1059
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 / Cu		A	125
Max. operating voltage / Cu		V AC	1000
Max. operating voltage / Cu		V DC	1500
UL			
Max. electrical load / Cu		A	115
Max. operating voltage / Cu		V AC	600
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	10 - 35 6 - 16
single wire/multi wire		AWG	8 - 2 14 - 6
fine wire (with sleeve)		mm ²	10 - 35 6 - 16
fine wire (with sleeve)		AWG	8 - 2 14 - 6
Torque		N/m	3.5 - 5
Torque		lbf	31 - 44
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 - 16
fine wire (with sleeve)		AWG	14 - 6
Torque		N/m	2 - 3
Torque		lbf	17.7 - 26.5

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	73.8
Width		mm	27
Depth		mm	46.3
Max. rated current		A	125
Number of poles			1
Conductor cross section flexible (fine-strand) with cable end sleeve		mm ²	2.5 - 35
Conductor cross section solid (solid, stranded)		mm ²	2.5 - 35
Number of clamp positions per pole			7
With PE-rail			No
With N-rail			No

Dimensions

