

Eaton 102707

Catalog Number: 102707

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 175A, 10 output terminals, ALU

General specifications



Product Name

Eaton xEnergy Basic LV systems Low voltage switchgear

Catalog Number

102707

Model Code

BPZ-KB-10/175-ALU

EAN

4015081025671

Product Length/Depth

43 mm

Product Height

71 mm

Product Width

45 mm

Product Weight

0.245 kg

Compliances

RoHS conform

Certifications

IEC 60 947 -7 -1

Product specifications

Special features

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.

Material, hexagon socket set screw: Steel

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.

Zinc plated (Hexagon socket set screw, Surface finish)

Functions

Additional equipment

Torque rating

6 Nm - 10 Nm / 53.1 lbf - 88.5 lbf (incoming). 3 Nm - 4 Nm / 7 lbf - 13.2 lbf (outgoing)

Conductor cross section (flexible, fine-strand) with cable end sleeve - max

70 mm²

Conductor cross section (flexible, fine-strand) with cable end sleeve - min

2.5 mm²

Conductor cross section (solid, solid-strand) - max

70 mm²

Conductor cross section (solid, solid-strand) - min

2.5 mm²

Amperage rating

175 A

Resources

Brochures

[eaton-xenergy-basic-light-brochure-br014024-en-us.pdf](#)

Catalogs

[eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf](#)

Declarations of conformity

[DA-DC-03_BPZ-KB](#)

Drawings

[eaton-xenergy-basic-terminal-block-dimensions-003.eps](#)

Sales notes

[eaton-f3a-flange-flyer-fl019005en-en-us.pdf](#)

Specifications and datasheets

[Eaton Specification Sheet - 102707](#)

Rated short-time withstand current (I_{cw})

11 kA

Voltage rating at DC Cu (IEC) - max

1500 VDC

Number of poles

Single-pole

Degree of protection

IP20

Mounting position

Universal

Clamp material

Nickel plated

Brass

Comparative tracking index (CTI)

600 V

Housing material

PA66

Housing color

Light gray (RAL 7035)

Material

Aluminum

Mounting method

Surface mounting

Flush mounting

Floor standing distribution board

Flame classification (UL 94)

V-0

Heat deflection temperature

100 °C

Number of clamp positions per pole

11

Number of clamping units per pole

11

Rated peak withstand current

30 kA

Voltage rating at AC Al (IEC) - max

1000 VAC

Voltage rating at AC Cu (IEC) - max

1000 VAC

Voltage rating at DC Al (IEC) - max

1500 VDC

Rated operation current (Ie) Al (IEC)

125 A

Rated operation current (Ie) Cu (IEC)

175 A

Terminal capacity (single/multi-wire)

16 mm² - 50 mm² (incoming, fine wire (with sleeve))

2.5 mm² - 10 mm² (outgoing, fine wire (with sleeve))

14 - 6 AWG (outgoing)

16 mm² - 70 mm² (incoming)

2.5 mm² - 16 mm² (outgoing)

6 - 1 AWG (incoming, fine wire (with sleeve))

6 - 2/0 AWG (incoming)

14 - 8 AWG (outgoing, fine wire (with sleeve))



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