

Specifications



Eaton 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 other accessory
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
GLOBAL CATALOG	102707
PRODUCT TYPE	Accessories

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-

70 mm²

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

[eaton-accessories-declaration-of-conformity-eu250225en.pdf](#)

DRAWINGS

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

FLYERS

[eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf](#)

SALES NOTES

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

SPECIFICATIONS AND DATASHEETS

[Eaton Specification Sheet - 102707](#)

STRAND) - MAX	
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN	2.5 mm ²
AMPERAGE RATING	175 A
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	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 mm ² - 50 mm ² (incoming, fine wire (with sleeve)) 2.5 mm ² - 10 mm ² (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))

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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