

Specifications



Eaton 178404

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1-pole, 1100A, 2 output terminals, ALU

General specifications

PRODUCT NAME	Eaton xEnergy Basic other accessory
CATALOG NUMBER	178404
MODEL CODE	BPZ-KB-2/1100-ALU
EAN	4015081737079
PRODUCT LENGTH/DEPTH	107 mm
PRODUCT HEIGHT	202 mm
PRODUCT WIDTH	89.6 mm
PRODUCT WEIGHT	2.034 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC 60 947 -7 -1

Additional information

COMPARATIVE TRACKING INDEX (CTI) 600 V

FLAME CLASSIFICATION (UL 94) V-0

FUNCTIONS Additional equipment

SPECIAL FEATURES

- Clicks 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
- Nickel plated (hexagon socket set screw, surface finish)
- 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.

Delivery programme

AMPERAGE RATING 1100 A

NUMBER OF POLES Single-pole

Design verification to IEC/EN 61439 - technical data

HEAT DEFLECTION TEMPERATURE 100 °C

Technical data - electrical

RATED OPERATION CURRENT (IE) AL (IEC) 900 A

RATED OPERATION CURRENT (IE) CU (IEC) 1100 A

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
VOLTAGE RATING AT DC CU (IEC) - MAX	1500 VDC

Technical data - mechanical

CLAMP MATERIAL	Aluminum Plated
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MAX	500 mm ²
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MIN	50 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MAX	500 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN	50 mm ²
HOUSING COLOR	Light gray (RAL 7035)
HOUSING MATERIAL	PA66
MATERIAL	Aluminum
MOUNTING METHOD	Flush mounting Floor standing distribution board Surface mounting
MOUNTING POSITION	Universal
NUMBER OF CLAMP POSITIONS PER POLE	3
NUMBER OF CLAMPING UNITS PER POLE	3
TERMINAL CAPACITY (SINGLE/MULTI-WIRE)	1.5 mm ² - 16 mm ² (test connection) 1.5 mm ² - 10 mm ² (test connection, fine wire (with sleeve)) 50 mm ² - 240 mm ² (outgoing, fine wire (with sleeve)) 95 mm ² - 500 mm ² (incoming) 95 mm ² - 500 mm ² (incoming, fine wire (with sleeve)) 50 mm ² - 300 mm ² (outgoing)
DEGREE OF PROTECTION	IP10
TORQUE RATING	80 Nm (incoming). 50 Nm (outgoing). 3 Nm (test connection)

Resources

BROCHURES	eaton-xenergy-basic-light-brochure-br014024-en-us.pdf
CATALOGUES	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-010.eps
FLYERS	eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf
SALES NOTES	eaton-f3a-flange-flyer-fl019005en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

