

Specifications



Eaton 289970

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 160A, 6 output terminals

General specifications

PRODUCT NAME	Eaton xEnergy Basic other accessory
CATALOG NUMBER	289970
MODEL CODE	BPZ-KB-6/160
EAN	4015082899707
PRODUCT LENGTH/DEPTH	92 mm
PRODUCT HEIGHT	49 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.3 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	UL 1059 IEC 60 947 -7 -1



Powering Business Worldwide

Additional information

COMPARATIVE TRACKING INDEX (CTI) 600 V

FLAME CLASSIFICATION (UL 94) V-0

FUNCTIONS Additional equipment

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
- Zinc plated (Hexagon socket set screw, Surface finish)

USED WITH Single-pole terminal blocks

Design verification to IEC/EN 61439 - technical data

HEAT DEFLECTION TEMPERATURE 100 °C

Delivery programme

AMPERAGE RATING 160 A

NUMBER OF POLES Single-pole

Technical data - electrical

RATED OPERATION CURRENT (IE) CU (CSA) 160 A

RATED OPERATION CURRENT (IE) CU (IEC) 160 A

RATED OPERATION CURRENT (IE) CU (UL) 160 A

RATED PEAK WITHSTAND CURRENT 30 kA

RATED SHORT-TIME WITHSTAND CURRENT (ICW) 11 kA

VOLTAGE RATING AT AC CU (CSA) - MAX 600 VAC

VOLTAGE RATING AT AC CU (IEC) - MAX 1000 VAC

VOLTAGE RATING AT AC CU (UL) - MAX 600 VAC

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

Technical data - mechanical

CLAMP MATERIAL	Brass Plain
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MAX	70 mm ²
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MIN	2.5 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MAX	70 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN	2.5 mm ²
HOUSING COLOR	Light gray (RAL 7035)
HOUSING MATERIAL	PA66
MOUNTING METHOD	Flush mounting Floor standing distribution board Surface mounting
MOUNTING POSITION	Universal
NUMBER OF CLAMP POSITIONS PER POLE	7
NUMBER OF CLAMPING UNITS PER POLE	7
TERMINAL CAPACITY (SINGLE/MULTI-WIRE)	14 - 6 AWG (outgoing) 8 - 2/0 AWG (incoming) 10 mm ² - 70 mm ² (incoming) 2.5 mm ² - 16 mm ² (outgoing) 8 - 1 AWG (incoming, fine wire (with sleeve)) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 10 mm ² - 50 mm ² (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (outgoing, fine wire (with sleeve))
DEGREE OF PROTECTION	IP20
TORQUE RATING	5 Nm - 6 Nm / 44 lbf - 53 lbf (incoming). 1.5 Nm - 3 Nm / 13.2 lbf - 26.5 lbf (outgoing)

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-020.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.

