

Specifications



Eaton 289969

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 80A, 6 output terminals

General specifications

PRODUCT NAME	Eaton xEnergy Basic other accessory
CATALOG NUMBER	289969
MODEL CODE	BPZ-KB-4/80
EAN	4015082899691
PRODUCT LENGTH/DEPTH	46.8 mm
PRODUCT HEIGHT	65.5 mm
PRODUCT WIDTH	27 mm
PRODUCT WEIGHT	0.072 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC 60 947 -7 -1 UL 1059

Additional information

COMPARATIVE TRACKING INDEX (CTI)	600 V
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FLAME CLASSIFICATION (UL 94)	V-0
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FUNCTIONS	Additional equipment
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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
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Design verification to IEC/EN 61439 - technical data

HEAT DEFLECTION TEMPERATURE	100 °C
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Delivery programme

AMPERAGE RATING	80 A
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NUMBER OF POLES	Single-pole
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Technical data - electrical

RATED OPERATION CURRENT (IE) CU (CSA)	80 A
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RATED OPERATION CURRENT (IE) CU (IEC)	80 A
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RATED OPERATION CURRENT (IE) CU (UL)	80 A
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RATED PEAK WITHSTAND CURRENT	2.7 kA
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RATED SHORT-TIME WITHSTAND CURRENT (ICW)	1.9 kA
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VOLTAGE RATING AT AC CU (CSA) - MAX	600 VAC
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VOLTAGE RATING AT AC CU (IEC) - MAX	1000 VAC
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VOLTAGE RATING AT AC CU (UL) - MAX	600 VAC
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VOLTAGE RATING AT DC CU (IEC) - MAX	1500 VDC
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Technical data - mechanical

CLAMP MATERIAL	Brass Plain
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MAX	16 mm ²
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MIN	2.5 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MAX	16 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN	2.5 mm ²
HOUSING COLOR	Light gray (RAL 7035)
HOUSING MATERIAL	PA66
MOUNTING METHOD	Floor standing distribution board Surface mounting Flush mounting
MOUNTING POSITION	Universal
NUMBER OF CLAMP POSITIONS PER POLE	7
NUMBER OF CLAMPING UNITS PER POLE	7
TERMINAL CAPACITY (SINGLE/MULTI-WIRE)	14 - 4 AWG (incoming) 2.5 mm ² - 16 mm ² (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (incoming) 2.5 mm ² - 6 mm ² (outgoing) 14 - 10 AWG (outgoing, fine wire (with sleeve)) 14 - 6 AWG (outgoing) 2.5 mm ² - 16 mm ² (outgoing) 14 - 10 AWG (outgoing) 2.5 mm ² - 6 mm ² (outgoing, fine wire (with sleeve)) 14 - 4 AWG (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (outgoing, fine wire (with sleeve)) 14 - 6 AWG (outgoing, fine wire (with sleeve))
DEGREE OF PROTECTION	IP20

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-015.eps
FLYERS	eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf
SALES NOTES	eaton-f3a-flange-flyer-fl019005en-en-us.pdf

TORQUE RATING

1.5 Nm - 3 Nm / 13.2 lbf -
26.5 lbf (incoming). 0.8 Nm
- 3 Nm / 7 lbf - 26.5 lbf
(outgoing)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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