

Specifications



Eaton 178401

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1-pole, 400A, 2 output terminals

General specifications

PRODUCT NAME	Eaton xEnergy Basic other accessory
CATALOG NUMBER	178401
MODEL CODE	BPZ-KB-2/400
EAN	4015081737048
PRODUCT LENGTH/DEPTH	50.2 mm
PRODUCT HEIGHT	103 mm
PRODUCT WIDTH	44.4 mm
PRODUCT WEIGHT	0.585 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC 60 947 -7 -1



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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)

Design verification to IEC/EN 61439 - technical data

HEAT DEFLECTION TEMPERATURE	100 °C
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Delivery programme

AMPERAGE RATING	400 A
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NUMBER OF POLES	Single-pole
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Technical data - electrical

RATED OPERATION CURRENT (IE) CU (IEC)	400 A
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RATED PEAK WITHSTAND CURRENT	50 kA
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RATED SHORT-TIME WITHSTAND CURRENT (ICW)	21 kA
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VOLTAGE RATING AT AC CU (IEC) - MAX	690 VAC
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VOLTAGE RATING AT DC CU (IEC) - MAX	1000 VDC
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Technical data - mechanical

CLAMP MATERIAL	Brass Plain
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MAX	185 mm ²
CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MIN	35 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MAX	240 mm ²
CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN	50 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	3
NUMBER OF CLAMPING UNITS PER POLE	3
TERMINAL CAPACITY (SINGLE/MULTI-WIRE)	2 - 3/0 AWG (outgoing, fine wire (with sleeve)) 3/0 - 350 MCM AWG (incoming) 50 mm ² - 120 mm ² (outgoing) 2/0 - 6/0 AWG (incoming, fine wire (with sleeve)) 35 mm ² - 95 mm ² (outgoing, fine wire (with sleeve)) 95 mm ² - 240 mm ² (incoming) 1 - 4/0 AWG (outgoing) 70 mm ² - 185 mm ² (incoming, fine wire (with sleeve))
DEGREE OF PROTECTION	IP10
TORQUE RATING	25 Nm / 221.2 lbf (incoming). 19 Nm / 168.1 lbf (outgoing). Allen key 8 mm

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-012.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:



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