Specifications

Eaton 102712

Catalog Number: 102712

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 800A, 2 output terminals, ALU



General specifications

Product Name
Eaton xEnergy Basic other accessory

Catalog Number
102712

EAN
4015081025725

Product Length/Depth
80.5 mm

Product Height
145 mm

Product Width
72 mm

Product Weight
0.546 kg

Compliances
RoHS conform

Certifications
IEC 60 947 -7 -1

Powering Business Worldwide

Product specifications

Special features

Al-sector conductors tested up to 70mm²
Clicks on base plate.
Save time on wiring.
Save 80% on space used.
Material, hexagon socket set screw: Steel
Modular construction, 1-4 pole systems can be built with several blocks.
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

25 Nm - 35 Nm / 221 lbf - 309.7 lbf (incoming). 25 Nm - 35 Nm / 221 lbf - 309.7 lbf (outgoing)

Conductor cross section (flexible, fine-strand) with cable end sleeve - max

240 mm²

Conductor cross section (flexible, fine-strand) with cable end sleeve - min

25 mm²

Conductor cross section (solid, solid-strand) - max

300 mm²

Conductor cross section (solid, solid-strand) - min

35 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

DA-DC-03_BPZ-KB

Drawings

eaton-xenergy-basic-terminal-block-dimensions.eps

Sales notes

eaton-f3a-flange-flyer-fl019005en-en-us.pdf

Amperage rating

800 A

Voltage rating at DC Cu (IEC) - max

1500 VDC

Number of poles

Single-pole

Degree of protection

IP10

Mounting position

Universal

Clamp material

Aluminum

Plated

Comparative tracking index (CTI)

600 V

Housing material

PA66

Housing color

Light gray (RAL 7035)

Material

Aluminum

Mounting method

Floor standing distribution board

Flush mounting

Surface mounting

Flame classification (UL 94)

V-0

Heat deflection temperature

100 °C

Terminal capacity (copper bar)

9 mm x 4 mm - 50 mm x 10 mm (incoming)

9 mm x 4 mm - 24 mm x 10 mm (outgoing)

Number of clamp positions per pole

3

Number of clamping units per pole

3

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)

630 A

Rated operation current (Ie) Cu (IEC)

800 A

Terminal capacity (single/multi-wire)

16 mm² - 240 mm² (outgoing, fine wire (with sleeve))

2 - 600 MCM AWG (incoming)

35 mm² - 300 mm² (incoming)

6 - 500 MCM AWG (incoming, fine wire (with sleeve))

16 mm² - 240 mm² (incoming, fine wire (with sleeve))

35 mm² - 300 mm² (outgoing)

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