Specifications

Eaton 102705



Catalog Number: 102705

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 250A, 11 output terminals, ALU

General specifications

Product Name
Eaton xEnergy Basic other accessory

Catalog Number
102705

EAN
4015081025657

Product Length/Depth
49 mm

Product Height
95.4 mm

Product Width
44.5 mm

Product Weight
0.455 kg

Compliances
RoHS conform

Certifications
IEC 60 947 -7 -1

Powering Business Worldwide

Product specifications

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
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

19 Nm - 21 Nm / 168.1 lbf - 185.8 lbf (incoming). 2 Nm - 7 Nm / 17.7 lbf - 62 lbf (outgoing)

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

95 mm²

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

2.5 mm²

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

120 mm²

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

2.5 mm²

Amperage rating

250 A

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-006.eps

Sales notes

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

Rated short-time withstand current (Icw)

21 kA

Voltage rating at DC Cu (IEC) - max

1500 VDC

Number of poles

Single-pole

Degree of protection

IP10

Mounting position

Universal

Clamp material

Brass

Nickel plated

Comparative tracking index (CTI)

600 V

Housing material

PA66

Housing color

Light gray (RAL 7035)

Material

Aluminum

Mounting method

Floor standing distribution board

Surface mounting

Flush mounting

Flame classification (UL 94)

V-0

Heat deflection temperature

100 °C

Number of clamp positions per pole

12

Number of clamping units per pole

12

Rated peak withstand current

51 kA

Voltage rating at AC Cu (IEC) - max

1000 VAC

Rated operation current (Ie) Cu (IEC)

200 A

Terminal capacity (single/multi-wire)

2.5 mm² -35 mm² (outgoing)

2.5 mm² - 16 mm² (outgoing)

14 - 6 AWG (outgoing)

14 - 8 AWG (outgoing, fine wire (with sleeve))

2 - 4/0 AWG (incoming)

2.5 mm² - 10 mm² (outgoing, fine wire (with sleeve))

2 - 3/0 AWG (incoming, fine wire (with sleeve))

14 - 6 AWG (outgoing, fine wire (with sleeve))

14 - 8 AWG (outgoing)

14 - 2 AWG (outgoing)

14 - 4 AWG (outgoing, fine wire (with sleeve))

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

35 mm² - 95 mm² (incoming, fine wire (with sleeve))

35 mm² - 120 mm² (incoming)

2.5 mm² - 25 mm² (outgoing, fine wire (with sleeve))

2.5 mm² - 10 mm² (outgoing)

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