Specifications

Eaton 102704



Catalog Number: 102704

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

General specifications

Product Name
Eaton xEnergy Basic other accessory

Catalog Number
102704

EAN
4015081025640

Product Length/Depth
50 mm

Product Height
92.1 mm

Product Width
35.1 mm

Product Weight
0.262 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

5 Nm - 6 Nm / 44 lbf - 53 lbf (incoming). 1.5 Nm - 3 Nm / 13.2 lbf - 26.5 lbf (outgoing)

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

70 mm²

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

2.5 mm²

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

70 mm²

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

2.5 mm²

Amperage rating

160 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-017.eps

Sales notes

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

Rated short-time withstand current (Icw)

11 kA

Voltage rating at DC Cu (IEC) - max

1500 VDC

Number of poles

Single-pole

Degree of protection

IP20

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

Flush mounting

Surface mounting

Floor standing distribution board

Flame classification (UL 94)

V-0

Heat deflection temperature

100 °C

Number of clamp positions per pole

7

Number of clamping units per pole

7

Rated peak withstand current

30 kA

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)

125 A

Rated operation current (Ie) Cu (IEC)

160 A

Terminal capacity (single/multi-wire)

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

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

10 mm² - 70 mm² (incoming)

14 - 6 AWG (outgoing)

2.5 mm² - 16 mm² (outgoing)

8 - 1 AWG (incoming, fine wire (with sleeve))

8 - 2/0 AWG (incoming)

10 mm² - 50 mm² (incoming, fine wire (with sleeve))

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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