Specifications

Eaton 102707



Catalog Number: 102707

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 175A, 10 output terminals, ALU

General specifications

Product Name Eaton xEnergy Basic LV systems Low voltage switchgear	**Catalog Number** 102707
	EAN 4015081025671
Product Length/Depth 43 mm	**Product Height** 71 mm
Product Width 45 mm	**Product Weight** 0.245 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

6 Nm - 10 Nm / 53.1 lbf - 88.5 lbf (incoming). 3 Nm - 4 Nm / 7 lbf - 13.2 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

175 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-003.eps

Sales notes

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

Specifications and datasheets

Eaton Specification Sheet - 102707

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

Nickel plated

Brass

Comparative tracking index (CTI)

600 V

Housing material

PA66

Housing color

Light gray (RAL 7035)

Material

Aluminum

Mounting method

Surface mounting

Flush mounting

Floor standing distribution board

Flame classification (UL 94)

V-0

Heat deflection temperature

100 °C

Number of clamp positions per pole

11

Number of clamping units per pole

11

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)

175 A

Terminal capacity (single/multi-wire)

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

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

14 - 6 AWG (outgoing)

16 mm² - 70 mm² (incoming)

2.5 mm² - 16 mm² (outgoing)

6 - 1 AWG (incoming, fine wire (with sleeve))

6 - 2/0 AWG (incoming)

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

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

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia