Specifications

Eaton 289970



Catalog Number: 289970

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

General specifications

Product Name
Eaton xEnergy Basic other accessory

Catalog Number
289970

EAN
4015082899707

Product Length/Depth
92 mm

Product Height
49 mm

Product Width
35 mm

Product Weight
0.3 kg

Compliances
RoHS conform

Certifications
UL 1059
IEC 60 947 -7 -1

Powering Business Worldwide

Product specifications

Used with

Single-pole terminal blocks

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)

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

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

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-020.eps

Sales notes

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

IP20

Mounting position

Universal

Clamp material

Brass

Plain

Comparative tracking index (CTI)

600 V

Housing material

PA66

Housing color

Light gray (RAL 7035)

Mounting method

Flush mounting

Floor standing distribution board

Surface mounting

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 Cu (CSA) - max

600 VAC

Voltage rating at AC Cu (IEC) - max

1000 VAC

Voltage rating at AC Cu (UL) - max

600 VAC

Rated operation current (Ie) Cu (CSA)

160 A

Rated operation current (Ie) Cu (IEC)

160 A

Rated operation current (Ie) Cu (UL)

160 A

Terminal capacity (single/multi-wire)

14 - 6 AWG (outgoing)

8 - 2/0 AWG (incoming)

10 mm² - 70 mm² (incoming)

2.5 mm² - 16 mm² (outgoing)

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

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

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

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

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