Specifications

# Eaton 289969



## Catalog Number: 289969

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1 pole, 80A, 6 output terminals

### General specifications

**Product Name**
Eaton xEnergy Basic other accessory

**Catalog Number**
289969

**EAN**
4015082899691

**Product Length/Depth**
46.8 mm

**Product Height**
65.5 mm

**Product Width**
27 mm

**Product Weight**
0.072 kg

**Compliances**
RoHS conform

**Certifications**
IEC 60 947 -7 -1
UL 1059

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

1.5 Nm - 3 Nm / 13.2 lbf - 26.5 lbf (incoming). 0.8 Nm - 3 Nm / 7 lbf - 26.5 lbf (outgoing)

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

16 mm²

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

2.5 mm²

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

16 mm²

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

2.5 mm²

### Amperage rating

80 A

### Rated short-time withstand current (Icw)

1.9 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-015.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

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

7

### Number of clamping units per pole

7

### Rated peak withstand current

2.7 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)

80 A

### Rated operation current (Ie) Cu (IEC)

80 A

### Rated operation current (Ie) Cu (UL)

80 A

Terminal capacity (single/multi-wire)

14 - 4 AWG (incoming)

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

2.5 mm² - 16 mm² (incoming)

2.5 mm² - 6 mm² (outgoing)

14 - 10 AWG (outgoing, fine wire (with sleeve))

14 - 6 AWG (outgoing)

2.5 mm² - 16 mm² (outgoing)

14 - 10 AWG (outgoing)

2.5 mm² - 6 mm² (outgoing, fine wire (with sleeve))

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

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

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

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