Specifications

Eaton 106216



Catalog Number: 106216

Eaton Distribution parts. H.b.c fuse switch strip, rated operational current 160A, max. fuse-link 500V/160A, max. fuse-link 690V/160A, size 00, with safety monitoring

General specifications

Product Name
Eaton Distribution parts

Catalog Number
106216

EAN
4015081059867

Product Length/Depth
610 mm

Product Height
136 mm

Product Width
49 mm

Product Weight
1.25 kg

Compliances
EN 60947-5-1
RoHS conform

Certifications
IEC/EN 60255
VDE 0435 Part 303

Powering Business Worldwide

Product specifications

Used with

20 mm x 5/10 mm rail
12 mm x 5/10 mm rail
Double T profile
Triple T profile
25 mm x 5/10 mm rail
15 mm x 5/10 mm rail
30 mm x 5/10 mm rail
Busbar fuse material
60 mm system

Type

60 mm system
Busbar fuse material

Special features

Continuous operation (rated operating mode)
Mounting with snap-on mechanism
NH-fuse-links #289998
With clamp/screw connection set
With fuse monitoring
With connection area cover

Number of Poles

Three-pole

Frame

00

Frequency rating

50 Hz - 60 Hz

Terminals

Lift terminals

Voltage rating at AC

230 V AC
Contacts: 250 V AC
Contacts: 500 / 400 V AC at AC-23B
Contacts: 690 V AC at AC-21B
Contacts: 690 V AC at AC-

Resources

Declarations of conformity

DA-DC-03_NH-SLS-_NHW-SLS-_Z-NHW

Drawings

1220DRW-108

eaton-mcb-dimensions-1220dim-23.eps

22B

Relay contacts: 230 V AC at

AC-15

Relay contacts: 250 V AC

Voltage range

(0.8 - 1.1) x Ue

Pollution degree

3

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Admissible back-up fuse - max

4 A gL

Screw diameter for flange connection

M8

Admissible heat dissipation (NH-SE) - max

12 W

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-5 °C

Conventional thermal current ith of auxiliary contacts (1-pole, open)

4 A

Fuse current rating at 500 V - max

160 A

Heat dissipation at ith AC without NH-SE

20 W

Operating altitude without derating - max

2000 mm

Pick-up time - max

500 ms

Rated insulation voltage (Ui)

400 V

Rated operating voltage (Ue) at AC - max

690 V

Rated operational current (gL/gG) - max

160 A

Rated uninterrupted current (Iu)

160 A

Rated impulse withstand voltage (Uimp)

4 kV

Utilization category

AC-15

Construction size (fuse inserts)

NH00

Connection

Top or bottom

Direction of incoming supply

As required

Distance between busbar centers

60 mm

Electrical connection type of main circuit

Rail connection

Mounting position

Vertical or horizontal

Release indication

Mechanical top-plate indicator

Suitable for

Triple T profile

Combi-base for busbar mounting (12 - 30 mm) x 5/10 mm

Combi-base for direct busbar mounting

Double T profile

Rated conditional short-circuit current (Iq)

50 kA

50 kA at AC (effective)

Functions

Uninterrupted operation (Control mode)

Low-voltage h.b.c. switch-fuse unit

Overvoltage category

III

Frequency rating of contacts

50 Hz - 60 Hz

Degree of protection

IP30 (operating state)

IP10 (front cover open)

IP30

Rated operation current (Ie)

160 A

Voltage rating

400 V AC

Distance between rail centers

60 mm

Model

Fuse switch disconnector

Lifespan, electrical

150000 operations

Lifespan, mechanical

100000000 operations

Terminal capacity (cable)

9 mm x 0.8 mm (6x) at box terminal

Permitted heat loss from fuse links - max

20 W at 160 A

Terminal capacity (copper busbar)

Max. 20 mm x 8 mm for flat busbar at flange connection

Terminal capacity (solid wire)

2.5 mm² (2x)

2.5 mm² (2x) at box terminal

Power consumption per phase (rung)

2 VA (L2/L3)

Terminal capacity (stranded cable)

1.5 mm² - 70 mm² (1x) at box terminal

70 mm² (1x) at flange connection

Rated operational current

125 A / 160 A (AC-23B)

160 A (AC-21B)

1 A (230 V AC-15)

160 A (AC-22B)



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