Specifications

Eaton 106210



Catalog Number: 106210

Eaton Distribution parts. Low-voltage h.b.c fuse switch strip, 160A, 500V/160A, 690V/160A, size 00, NH-SLS-00/160

General specifications

Product Name
Eaton Distribution parts

Catalog Number
106210

EAN
4015081059805

Product Length/Depth
455 mm

Product Height
120 mm

Product Width
50 mm

Product Weight
1.43 kg

Compliances
RoHS conform

Certifications
IEC/EN 60947-3

Powering Business Worldwide

Product specifications

Used with

Z-…SAD
120 mm x 10 mm rail
40 mm x 10 mm rail
Triple T profile
100 mm x 10 mm rail
60 mm x 10 mm rail
Z-…SADD
50 mm x 10 mm rail
30 mm x 10 mm rail
Double T profile
80 mm x 10 mm rail
Busbar fuse material
185 mm system

Type

185 mm system
Busbar fuse material

Special features

100 millimeter between busbar centres, optionally with 185 mm adapters
Continuous operation (rated operating mode)
With clamp/screw connection set
Without fuse monitoring
With connection area cover
Screw fixing on busbar with drilled holes

Number of Poles

Three-pole

Frame

00

Frequency rating

50 Hz - 60 Hz

Voltage rating at AC

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

Resources

Declarations of conformity

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

Drawings

eaton-mcb-dimensions-1220dim-22.eps

1220DRW-30

Contacts: 690 V AC at AC-22B

Pollution degree

3

Climatic proofing

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

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

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)

160 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

Rated insulation voltage (Ui)

1000 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)

8 kV

Construction size (fuse inserts)

NH00

Connection

Top or bottom

Direction of incoming supply

As required

Distance between busbar centers

100 mm

Electrical connection type of main circuit

Rail connection

Mounting position

Vertical or horizontal

Release indication

None

Rated conditional short-circuit current (Iq)

50 kA at AC (effective)

50 kA

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

100 mm

185 mm

Model

Fuse switch disconnector

Fuse current rating at 690 V - max

160 A

Lifespan, electrical

200 operations

Lifespan, mechanical

1400 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 10 mm for flat busbar at flange connection

Terminal capacity (copper band)

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

Terminal capacity (stranded cable)

70 mm² (1x) at flange connection

1.5 mm² - 70 mm² (1x) at box terminal

Rated operational current

160 A (AC-21B)

125 A / 160 A (AC-23B)

160 A (AC-22B)

Screw connection for busbars

M8

Only in combination with adapter for

… x 5/10

Powering Business Worldwide

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