Specifications

Eaton 1318542

Catalog Number: 1318542

Eaton QSA Fuse switch-disconnector, 3 pole, rear mounting, 630 A, NH3



General specifications

Product Name
Eaton QSA Fuse switch-disconnector

Catalog Number
1318542

EAN
8711426731578

Product Length/Depth
360 mm

Product Height
274 mm

Product Width
360 mm

Product Weight
4.066 kg

Certifications
CE
RoHS
IEC/EN 60204
VDE 0660
IEC/EN 60947-3
IEC/EN 60947

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Product specifications

Features

Version as main switch

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Resources

Catalogs

Eaton-industrial-switch-disconnectors-catalogue-ca008011en-en-gb.pdf

Product Range Catalog Industrial switch-disconnectors

Declarations of conformity

DA-DC-00004907.pdf

DA-DC-00004874.pdf

Drawings

eaton-rotary-switches-qsa-fuse-switch-disconnector-dimensions-011.eps

eaton-rotary-switches-qsa-fuse-switch-disconnector-3d-drawing-004.eps

eaton-general-mounting-p1-main-switch-symbol-002.eps

eaton-rotary-switches-qsa-fuse-switch-disconnector-drawing.eps

eaton-rotary-switches-drawing-1150swi-502.eps

eCAD model

DA-CE-ETN.QSA630-3_3

Installation instructions

IL008013ZU

Wiring diagrams

eaton-rotary-switches-t0-on-off-switch-wiring-diagram-068.eps

eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram.eps

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Fitted with:

Connectors

Pollution degree

3

Rated operational power at AC-23A, 400 V, 50 Hz

375 kW

Rated permanent current (Iu)

630 A

Rated uninterrupted current (Iu)

630 A

Static heat dissipation, non-current-dependent Pvs

0 W

Accessories

Auxiliary contact or neutral conductor fitted by user.

Product category

Fuse-switch-disconnector

Main switch

Conditioned rated short-circuit current Iq

50 kA

Number of poles

Three-pole

Rated operation power at AC-23, 400 V

375 kW

Rated impulse withstand voltage (Uimp)

6000 V

Degree of protection

IP00

IP20, with terminal cover

Rated short-time withstand current (Icw)

0 kA

Electrical connection type of main circuit

Bolt connection

Actuator position

Front side

Actuator type

Without actuator

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-25 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

-30 °C

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

28 W

Number of auxiliary contacts (normally closed contacts)

0

Construction size

NH3

Mounting position

As required

Suitable for

DIN fuse-links (blade contacts type)

Ground mounting

Functions

Optional Stop Function

Overvoltage category

III

Suitable for fuses

NH3

Cable entry type

Top/bottom

Mounting method

Rear mounting

Degree of protection (front side)

IP00

Number of auxiliary contacts (normally open contacts)

0

Operating temperature - max

55 °C

Operating temperature - min

-25 °C

Rated insulation voltage (Ui)

690 V

Rated operating voltage (Ue) at AC - max

690 V

Rated operational current for specified heat dissipation (In)

630 A

Uninterrupted current

Rated uninterrupted current Iu is specified for max. cross-section.



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