Specifications

Eaton 6098952



Catalog Number: 6098952

Eaton DDC DC switch disconnector, 800 A, 2 pole, 1 N/O, 1 N/C, with grey knob, rear mounting

General specifications

Product Name
Eaton DDC Insulated enclosure

Catalog Number
6098952

EAN
8711426855465

Product Length/Depth
345 mm

Product Height
160 mm

Product Width
230 mm

Product Weight
13.5 kg

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

Catalog Notes
Rated Short-time Withstand Current (Icw) for a time of 1 second

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Features & Functions

Actuator color
Gray

Actuator type
Long turning handle

Features
Version as main switch
Version as maintenance-/service switch

Fitted with:
Gray knob
Metal shaft for a control panel depth of 400 mm

Functions
Interlockable

Number of poles
Two-pole

General

Accessories
Auxiliary contact fitted by user.

Degree of protection
NEMA Other

Degree of protection (front side)
IP20

Lifespan, mechanical
5,000 Operations

Mounting method
Rear mounting

Mounting position
As required

Overvoltage category
III

Pollution degree
3

Product Category
DC switch-disconnector
Main switch

Rated impulse withstand voltage (Uimp)
12000 V

Suitable for
Ground mounting

Climatic environmental conditions

Ambient operating temperature - min
-25 °C

Ambient operating temperature - max
55 °C

Ambient storage temperature - min
-30 °C

Ambient storage temperature - max
80 °C

Terminal capacities

Terminal capacity
2 x (50 x 5) mm² , Flat conductor connection with busbars
2 x 240 mm², solid

Screw size
M12, Terminal screw

Tightening torque
28 Nm, Screw terminals

Electrical rating

Rated operational current (Ie) at DC-21B, 1000 V

800 A

Rated operational current (Ie) at DC-21B, 480 V

800 A

Rated operational current (Ie) at DC-21B, 600 V

800 A

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

0 kW

Rated operational power at AC-3, 380/400 V, 50 Hz

0 kW

Rated uninterrupted current (Iu)

800 A

Uninterrupted current

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

Rated insulation voltage (Ui)

1200 V

Short-circuit rating

Rated conditional short-circuit current (Iq)

0 kA

Rated short-circuit making capacity (Icm)

54.5 kAeff

Rated short-time withstand current (Icw)

25 kA

25 kA, Contacts, 1 second

Contacts

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

1

Number of auxiliary contacts (normally open contacts)

1

Design verification

Equipment heat dissipation, current-dependent Pvid

34 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

34 W

Rated operational current for specified heat dissipation (In)

800 A

Static heat dissipation, non-current-dependent Pvs

0 W

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.

Resources

Catalogs

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

Product Range Catalog Industrial switch-disconnectors

Declarations of conformity

DA-DC-00003811.pdf

DA-DC-00004006.pdf

Drawings

eaton-rotary-switches-ddc-insulated-enclosure-dimensions.eps

eaton-rotary-switches-ddc-insulated-enclosure-dimensions-002.eps

eaton-rotary-switches-ddc-insulated-enclosure-dimensions-004.eps

eaton-rotary-switches-ddc-insulated-enclosure-dimensions-010.eps

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

eCAD model

DA-CE-ETN.DDC-800_2_M4_P-G

Installation instructions

IL008015ZU

mCAD model

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.

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.

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

DA-CD-ddc_800_2_m4_p_g

DA-CS-ddc_800_2_m4_p_g

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.

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