Specifications

Eaton 185504



Catalog Number: 185504

Eaton Distribution parts. Switch disconnector, DC, 800V, 100A, rotary handle

General specifications

Product Name
Eaton Distribution parts

Catalog Number
185504

EAN
4015081809943

Product Length/Depth
113 mm

Product Height
145 mm

Product Width
54 mm

Product Weight
0.527 kg

Compliances
VDE
RoHS conform

Powering Business Worldwide

Product specifications

Special features

Ambient temperature hint: Maximum operating temperature is 75 °C in accordance with the de-rating table
Mechanical and electrical operations acc. to IEC 60947-3. Category of utilization DC-PV2 or DC-PV1
String protection of the PV generator

Type

Photovoltaik switch-disconnector

Features

Version as maintenance-/service switch

Actuator color

Black

Climatic proofing

IEC 60947-2

Actuator type

Turn button

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-20 °C

Ambient operating temperature details

-20 °C - 40 °C (40 °C - 75 °C derating)

Ambient storage temperature - max

75 °C

Ambient storage temperature - min

40 °C

Application

Open areas
Residential buildings
Utility buildings

Resources

Declarations of conformity

DA-DC-03_PV-DIS

Drawings

eaton-wiring-diagram-schaltbild-pv-dis.jpg

eaton-dimensions-mas-pv-dis.jpg

eCAD model

DA-CE-ETN.PV-DIS-08-100_2-ROT

Installation instructions

IL019108ZU

mCAD model

DA-CS-pv_dis

DA-CD-pv_dis

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Number of auxiliary contacts (normally open contacts)

0

Number of poles

Two-pole

Power rating at AC-23, 400 V

0 kW

Power rating at AC-3, 400 V

0 kW

Rated insulation voltage (Ui)

1000 V

Rated operating voltage (Ue) - max

1000 V

Rated operating voltage (Ue) - min

800 V

Rated operating voltage (Ue) at AC - max

0 V

Rated permanent current at AC-21, 400 V

0 A

Rated permanent current at AC-23, 400 V

0 A

Rated uninterrupted current (Iu)

0 A

Switching power at 400 V

0 kW

Voltage rating

800 V

Rated impulse withstand voltage (Uimp)

6 kV

Utilization category

DC-PV (EN 60947-3)

Isolation

Safe electrical isolation

Cable material

Copper, Cu

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (Icw)

1200 kA

Electrical connection type of main circuit

Frame clamp

Contact rating at DC - max

100 %

Mounting position

As required

Rated conditional short-circuit current (Iq)

0 kA

Degree of protection

Other

IP20

IP40 (when fitted)

Degree of protection (front side)

IP20

Suitable for

Distribution board installation

Functions

Interlockable

Voltage release optional

Number of switches

1

Shock resistance

IEC 60947-2

Terminal dimensions

2.5 mm² - 50 mm²

Width in number of modular spacings

3



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