Specifications

Eaton 191854



Catalog Number: 191854

Eaton Moeller® series R9 Switch-disconnector, R9, UL98, 60 A, rear mounting, 3 pole, Without rotary handle and drive shaft

General specifications

Product Name
Eaton Moeller® series R9 Switch-disconnector

Catalog Number
191854

EAN
4015081923755

Product Length/Depth
81 mm

Product Height
132 mm

Product Width
78 mm

Product Weight
0.55 kg

Certifications
VDE 0660
UL
IEC/EN 60947
CSA

Catalog Notes
Without rotary handle and drive shaft

Powering Business Worldwide

Product specifications

Product Category

Main switch
Switch-disconnector
UL98

Features

Version as maintenance-/service switch
Version as emergency stop installation
Version as main switch

Actuator color

Other

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

UV resistance only in connection with protective shield.

10.2.5 Lifting

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

Resources

Catalogs

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

Declarations of conformity

CE R9 switch-disconnectors

UKCA R9 switch-disconnectors

Drawings

eaton-rotary-switches-r9-switch-disconnector-3d-drawing.eps

eCAD model

DA-CE-ETN.R9C3060U

Installation instructions

IL008047ZU

mCAD model

DA-CD-r9c3060u

DA-CS-r9c3060u

Wiring diagrams

eaton-rotary-switches-r9-switch-disconnector-wiring-diagram.eps

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.

Rated impulse withstand voltage (Uimp)

8000 V AC

Rated permanent current at AC-21, 400 V

0 A

Rated permanent current at AC-23, 400 V

55 A

Rated uninterrupted current (Iu)

60 A

Switching power at 400 V

0 kW

Accessories

Auxiliary contact or neutral conductor fitted by user.

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (Icw)

0 kA

Electrical connection type of main circuit

Frame clamp

Mounting position

As required

Actuator type

Other

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-25 °C

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Rated conditional short-circuit current (Iq)

0 kA

Control circuit reliability

1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)

Degree of protection (front side)

IP20

Number of poles

Three-pole

Mounting method

Rear mounting

Degree of protection

NEMA Other

Suitable for

Intermediate mounting

Ground mounting

Functions

Optional Stop Function

Interlockable

Number of switches

1

Screw size

4 mm AF, Hexagon socket-head spanner, Terminal screw

Switching capacity (auxiliary contacts, general use)

10A, IU, (UL/CSA)

Switching capacity (auxiliary contacts, pilot duty)

A300 (UL/CSA)

Terminal capacity

10 - 2/0 AWG

6 - 70 mm²

Switching capacity (main contacts, general use)

60 A, Rated uninterrupted current max. (UL/CSA)

Safety parameter (EN ISO 13849-1)

B10d values as per EN ISO 13849-1, table C.1

Number of auxiliary contacts (normally open contacts)

0

Rated operating voltage (Ue) - max

690 V

Rated operating voltage (Ue) - min

690 V

Rated operational voltage (Ue) at AC - max

690 V

Short-circuit current rating (high fault)

60 A, Class J, max. Fuse, SCCR (UL/CSA)

100 kA, SCCR (UL/CSA)

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

30 kW

Rated operational power at AC-23A, 500 V, 50 Hz

30 kW

Rated operational power at AC-23A, 690 V, 50 Hz

30 kW

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

0 kW

Tightening torque

5 Nm, 50 - 70 mm², Screw terminals

3.5 Nm, 6 mm², Screw terminals

31 lb-in, 10 AWG , Screw terminals

35.4 lb-in, 8 - 2 AWG , Screw terminals

4 Nm, 10 - 35 mm², Screw terminals

44.3 lb-in, 1 - 2/0 AWG , Screw terminals

Uninterrupted current

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

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