Specifications

Eaton 215352

Catalog Number: 215352

Eaton Moeller® series TM Control circuit switches, TM, 10 A, flush mounting, Contacts: 2, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



General specifications

Product Name
Eaton Moeller® series TM Accessory Control circuit isolator

Catalog Number
215352

EAN
4015082153526

Product Length/Depth
77 mm

Product Height
48 mm

Product Width
30 mm

Product Weight
0.072 kg

Certifications
IEC/EN 60947-3
UL Category Control No.: NLRV
Certified by UL for use in Canada
CSA-C22.2 No. 94
VDE 0660
IEC/EN 60947-5-1
UL
CE
CSA-C22.2 No. 14-05
UL File No.: E36332
CSA
UL 508
UL report applies to both US and Canada
IEC/EN 60947

Catalog Notes
up to 250 V AC per contact

Powering Business Worldwide

Product specifications

Type

Control circuit switch

Product Category

Control switches

Features

Version as main switch

Actuator color

Black

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.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be

Resources

Brochures

Brochure - T Rotary Cam switch and P Switch-disconnector

Catalogs

P Switch-disconnectors and T Rotary cam switches catalogue CA042001EN

Declarations of conformity

DA-DC-00004922.pdf

DA-DC-00004893.pdf

Drawings

eaton-general-padlock-tm-accessory-dimensions.eps

eaton-rotary-switches-control-tm-accessory-dimensions.eps

eaton-rotary-switches-mounting-tm-accessory-dimensions.eps

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

eaton-rotary-switches-control-tm-accessory-symbol.eps

eaton-rotary-switches-mounting-p1-main-switch-3d-drawing.eps

eCAD model

ETN.TM-1-8291_E_SVB-SW

Installation instructions

IL03801028Z

Installation videos

Eaton's P Switch-disconnectors used in a factory

mCAD model

DA-CD-tm1_e_svb

DA-CS-tm1_e_svb

Product notifications

MZ008006ZU_Orderform_Customized_Switch.pdf

MZ008005ZU_Orderform_Customized_Switch.pdf

Wiring diagrams

eaton-rotary-switches-on-off-switch-t0-on-off-switch-wiring-diagram-002.eps

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.

Fitted with:

Black rotary handle and locking ring

Operating frequency

1200 Operations/h

Pollution degree

3

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30
Damp heat, constant, to IEC 60068-2-78

Rated impulse withstand voltage (Uimp)

4000 V AC

Rated permanent current at AC-21, 400 V

0 A

Rated permanent current at AC-23, 400 V

6.6 A

Rated uninterrupted current (Iu)

10 A

Static heat dissipation, non-current-dependent Pvs

0 W

Switching angle

90 °

Switching power at 400 V

0 kW

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (Icw)

0 kA

Electrical connection type of main circuit

Screw connection

Design

8291

Mounting position

As required

Actuator type

Door coupling rotary drive

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-25 °C

Assigned motor power at 115/120 V, 60 Hz, 1-phase

0.33 HP

Assigned motor power at 115/120 V, 60 Hz, 3-phase

0.75 HP

Assigned motor power at 230/240 V, 60 Hz, 1-phase

0.75 HP

Assigned motor power at 230/240 V, 60 Hz, 3-phase

1 HP

Assigned motor power at 277 V, 60 Hz, 1-phase

0.75 HP

Equipment heat dissipation, current-dependent Pvid

0.15 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0.15 W

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Rated conditional short-circuit current (Iq)

0 kA

Overvoltage category

III

Control circuit reliability

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

Degree of protection (front side)

IP65

Number of poles

2

Mounting method

Flush mounting

Degree of protection

NEMA 12

Suitable for

Front mounting 4-hole

Locking facility

Lockable in the 0 (Off) position

Functions

STOP function

Interlockable

Number of switches

1

Screw size

M2.5, Terminal screw

Lifespan, mechanical

1,000,000 Operations

Switching capacity (auxiliary contacts, general use)

10A, IU, (UL/CSA)

Switching capacity (auxiliary contacts, pilot duty)

A300 (UL/CSA)

Terminal capacity

1 x 1.5 mm², flexible

1 x 1.0 mm², flexible with ferrules to DIN 46228

2 x 1.0 mm², flexible with ferrules to DIN 46228

2 x 1,5 mm², solid or stranded

1 x 1.5 mm², solid or stranded

2 x 1.5 mm², flexible

14 AWG, solid or flexible with ferrule

Switching capacity (main contacts, general use)

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

Number of auxiliary contacts (normally open contacts)

0

Number of contact units

1

Rated operating voltage (Ue) - max

500 V

Rated operating voltage (Ue) - min

500 V

Rated operational voltage (Ue) at AC - max

500 V

Short-circuit protection rating

10 A gG/gL, Fuse, Contacts

Rated operational current (Ie) at AC-21, 440 V

10 A

Rated operational current for specified heat dissipation (In)

10 A

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

3 kW

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

0 kW

Tightening torque

3.5 lb-in, Screw terminals

0.4 Nm, Screw terminals

Uninterrupted current

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

Rated Switching Capacity

0.33 HP at 120 V AC, single-phase

0.75 HP at 120 V AC, three-phase

0.75 HP at 240 V AC, single-phase

0.75 HP at 277 V AC, single-phase

1 HP at 240 V AC, three-phase

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