

# Eaton 008771

Catalog Number: 008771

Eaton Moeller® series T3 Main switch, T3, 32 A, flush mounting, 2 contact unit(s), 4 pole, Emergency switching off function, With red rotary handle and yellow locking ring

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller® series T3 Main switch	008771
<b>Model Code</b>	<b>EAN</b>
T3-2-8324/EA/SVB	4015080087717
<b>Product Length/Depth</b>	<b>Product Height</b>
116 mm	74 mm
<b>Product Width</b>	<b>Product Weight</b>
65 mm	0.204 kg
<b>Certifications</b>	<b>Catalog Notes</b>
UL Category Control No.: NLRV VDE 0660 CSA CSA File No.: 012528 UL 60947-4-1 IEC/EN 60947-3 CE CSA-C22.2 No. 60947-4-1-14 IEC/EN 60204 IEC/EN 60947 UL File No.: E36332 UL CSA Class No.: 3211-05 CSA-C22.2 No. 94	Rated Short-time Withstand Current (Icw) for a time of 1 second

## Product Category

Main switch

## Features

Version as emergency stop installation

Version as main switch

Version as maintenance-/service switch

## Actuator color

Red

## 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

## Brochures

Brochure - T Rotary Cam switch and P Switch-disconnector

## Declarations of conformity

DA-DC-00004894.pdf

DA-DC-00004923.pdf

## Drawings

eaton-rotary-switches-padlock-t0-main-switch-dimensions.eps

eaton-rotary-switches-mounting-t3-main-switch-dimensions-002.eps

eaton-rotary-switches-t0-main-switch-symbol.eps

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

## eCAD model

DA-CE-ETN.T3-2-8324\_EA\_SVB

## Installation instructions

IL03801020Z

## Installation videos

Eaton's P Switch-disconnectors used in a factory

## mCAD model

DA-CS-t3\_2\_ea

DA-CD-t3\_2\_ea

## Product notifications

MZ008006ZU\_Orderform\_Customized\_Switch.pdf

MZ008005ZU\_Orderform\_Customized\_Switch.pdf

## Wiring diagrams

eaton-rotary-switches-t0-on-off-switch-wiring-diagram-026.eps

eaton-rotary-switches-t0-on-off-switch-wiring-diagram-025.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:

Red rotary handle and yellow 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 (U<sub>imp</sub>)

6000 V AC

#### Rated operational power star-delta at 500 V, 50 Hz

18.5 kW

#### Rated operational power star-delta at 690 V, 50 Hz

22 kW

Rated permanent current at AC-21, 400 V

32 A

Rated uninterrupted current (I<sub>u</sub>)

32 A

Static heat dissipation, non-current-dependent P<sub>vs</sub>

0 W

Switching angle

90 °

Switching power at 400 V

15 kW

Voltage per contact pair in series

60 V

Rated operational power at AC-3, 500 V, 50 Hz

15 kW

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (I<sub>cs</sub>)

0.65 kA

650 A, Contacts, 1 second

Electrical connection type of main circuit

Screw connection

Design

8324

Mounting position

As required

Actuator type

Door coupling rotary drive

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

-25 °C

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

1.5 HP

Assigned motor power at 200/208 V, 60 Hz, 1-phase

3 HP

Assigned motor power at 200/208 V, 60 Hz, 3-phase

3 HP

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

3 HP

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

3 HP

Assigned motor power at 460/480 V, 60 Hz, 3-phase

7.5 HP

Assigned motor power at 575/600 V, 60 Hz, 3-phase

10 HP

Equipment heat dissipation, current-dependent  $P_{vid}$

0 W

Heat dissipation capacity  $P_{diss}$

0 W

Heat dissipation per pole, current-dependent  $P_{vid}$

1.1 W

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Rated conditional short-circuit current ( $I_q$ )

1 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

4

Mounting method

Flush mounting

Degree of protection

NEMA 12

#### Suitable for

Front mounting center

Branch circuits, suitable as motor disconnect, (UL/CSA)

#### Functions

Emergency switching off function

Interlockable

#### Number of switches

1

#### Safe isolation

440 V AC, Between the contacts, According to EN 61140

#### Screw size

M4, Terminal screw

#### Shock resistance

15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms

#### Lifespan, mechanical

500,000 Operations

#### Load rating

$2 \times I_e$  (with intermittent operation class 12, 25 % duty factor)

$1.6 \times I_e$  (with intermittent operation class 12, 40 % duty factor)

$1.3 \times I_e$  (with intermittent operation class 12, 60 % duty factor)

#### Switching capacity (auxiliary contacts, general use)

10A, IU, (UL/CSA)

#### Switching capacity (auxiliary contacts, pilot duty)

P600 (UL/CSA)

A600 (UL/CSA)

#### Terminal capacity

14 - 10 AWG, solid or flexible with ferrule

1 x (0.75 - 4) mm<sup>2</sup>, flexible with ferrules to DIN 46228

2 x (0.75 - 4) mm<sup>2</sup>, flexible with ferrules to DIN 46228

1 x (1 - 6) mm<sup>2</sup>, solid or stranded

2 x (1 - 6) mm<sup>2</sup>, solid or stranded

#### Switching capacity (main contacts, general use)

25 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

Number of contact units

2

Number of contacts in series at DC-21A, 240 V

1

Number of contacts in series at DC-23A, 120 V

3

Number of contacts in series at DC-23A, 24 V

1

Number of contacts in series at DC-23A, 240 V

5

Number of contacts in series at DC-23A, 48 V

2

Number of contacts in series at DC-23A, 60 V

3

Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)

260 A

Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)

260 A

Rated breaking capacity at 500 V (cos phi to IEC 60947-3)

240 A

Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)

170 A

Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)

320 A

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 (basic rating)

40A, max. Fuse, SCCR (UL/CSA)

5 kA, SCCR (UL/CSA)

Short-circuit current rating (high fault)

10 kA, SCCR (UL/CSA)

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

Short-circuit protection rating

35 A gG/gL, Fuse, Contacts

Rated operational current (I<sub>e</sub>) at AC-21, 440 V

32 A

Rated operational current (I<sub>e</sub>) at AC-23A, 230 V

32 A

Rated operational current (I<sub>e</sub>) at AC-23A, 400 V, 415 V

32 A

Rated operational current (I<sub>e</sub>) at AC-23A, 500 V

26.4 A

Rated operational current (I<sub>e</sub>) at AC-23A, 690 V

17 A

Rated operational current (I<sub>e</sub>) at AC-3, 220 V, 230 V, 240 V

23.7 A

Rated operational current (I<sub>e</sub>) at AC-3, 380 V, 400 V, 415 V

23.7 A

Rated operational current (I<sub>e</sub>) at AC-3, 500 V

23.7 A

Rated operational current (I<sub>e</sub>) at AC-3, 660 V, 690 V

14.7 A

Rated operational current (I<sub>e</sub>) at DC-1, load-break switches I/r = 1 ms

25 A

Rated operational current (I<sub>e</sub>) at DC-13, control switches L/R = 50 ms

20 A

Rated operational current (I<sub>e</sub>) at DC-21, 240 V

1 A

Rated operational current (I<sub>e</sub>) at DC-23A, 120 V

12 A

Rated operational current (I<sub>e</sub>) at DC-23A, 24 V

25 A

Rated operational current (I<sub>e</sub>) at DC-23A, 240 V

5 A

Rated operational current (I<sub>e</sub>) at DC-23A, 48 V

25 A

Rated operational current (I<sub>e</sub>) at DC-23A, 60 V

25 A



Rated operational current (Ie) star-delta at AC-3, 220/230 V

32 A

Rated operational current (Ie) star-delta at AC-3, 380/400 V

32 A

Rated operational current (Ie) star-delta at AC-3, 500 V

32 A

Rated operational current (Ie) star-delta at AC-3, 690 V

25.5 A

Rated operational current for specified heat dissipation (In)

32 A

Rated operational power at AC-23A, 220/230 V, 50 Hz

7.5 kW

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

15 kW

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

15 kW

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

15 kW

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

11 kW

Rated operational power at AC-3, 415 V, 50 Hz

11 kW

Rated operational power at AC-3, 690 V, 50 Hz

11 kW

Rated operational power star-delta at 220/230 V, 50 Hz

7.5 kW

Rated operational power star-delta at 380/400 V, 50 Hz

15 kW

#### Tightening torque

1.6 Nm, Screw terminals

17.7 lb-in, Screw terminals

#### Uninterrupted current

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



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