Specifications

Eaton 1319970

Catalog Number: 1319970

Eaton QM Changeover switch, QM, 40 A, 2 x 3 pole + N (switched), without rotary handle, With drive shaft, 6 mm square



General specifications

Product Name Eaton QM Changeover switch	**Catalog Number** 1319970
EAN 8711426315396	**Product Length/Depth** 125 mm
Product Height 90 mm	**Product Width** 125 mm
Product Weight 0.49 kg	**Certifications** IEC/EN 60947 CE IEC/EN 60947-3 IEC/EN 60204 VDE 0660 RoHS

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Product specifications

Product Category

Changeover switches

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

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

Resources

Catalogs

Product Range Catalog Industrial switch-disconnectors

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

Declarations of conformity

DA-DC-00004928.pdf

DA-DC-00004901.pdf

Drawings

eaton-rotary-switches-qm-changeover-switch-dimensions-003.eps

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

eCAD model

DA-CE-ETN.QM40_3N

Installation instructions

IL008038ZU

Wiring diagrams

1150SWI-42

eaton-rotary-switches-qm-changeover-switch-wiring-diagram-002.eps

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:

Drive shaft

Pollution degree

3

Rated impulse withstand voltage (Uimp)

6000 V

Rated permanent current at AC-21, 400 V

40 A

Rated uninterrupted current (Iu)

40 A

Static heat dissipation, non-current-dependent Pvs

0 W

Stripping length (main cable)

10 mm

Accessories

Auxiliary contact fitted by user.

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (Icw)

0.5 kA

Electrical connection type of main circuit

Screw connection

Mounting position

As required

Actuator type

Other

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-25 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

-30 °C

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

4 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

Degree of protection (front side)

IP20

Number of poles

Eight-pole

Mounting method

Top-hat rail mounting

Rear mounting

Degree of protection

NEMA Other

Suitable for

Ground mounting

Functions

Optional Stop Function

Number of switches

2

Terminal capacity

2.5 - 16 mm², solid

1 x (2.5 - 10) mm², flexible

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 insulation voltage (Ui)

690 V

Rated operating voltage (Ue) - max

690 V

Rated operating voltage (Ue) - min

690 V

Rated operational voltage (Ue) at AC - max

690 V

Rated operational current for specified heat dissipation (In)

40 A

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

15 kW

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

11 kW

Tightening torque

1.8 Nm, Screw terminals, Main cables

Uninterrupted current

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



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