

Changeover switch, QM, 63 A, 2 x 3 pole + N (switched), without rotary handle, With drive shaft, 6 mm square

**Part no. QM63/3N
1319915**

| General specifications | |
|---|---|
| Product name | Eaton QM Changeover switch |
| Part no. | QM63/3N |
| EAN | 8711426140219 |
| Product Length/Depth | 14.5 millimetre |
| Product height | 9.5 millimetre |
| Product width | 13 millimetre |
| Product weight | 0.48 kilogram |
| Certifications | IEC/EN 60947 RoHS IEC/EN 60947-3 CE VDE 0660 IEC/EN 60204 |
| Product Tradename | QM |
| Product Type | Changeover switch |
| Product Sub Type | None |
| Features & Functions | |
| Fitted with: | Drive shaft |
| Functions | Optional Stop Function |
| Number of poles | Four-pole |
| General information | |
| Accessories | Auxiliary contact fitted by user. |
| Actuator type | Other |
| Degree of protection | NEMA Other |
| Degree of protection (front side) | IP20 |
| Mounting method | Rear mounting Top-hat rail mounting |
| Mounting position | As required |
| Overvoltage category | III |
| Pollution degree | 3 |
| Product Category | Changeover switches |
| Rated impulse withstand voltage (Uimp) | 6000 V |
| Safety parameter (EN ISO 13849-1) | B10d values as per EN ISO 13849-1, table C.1 |
| Climatic environmental conditions | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 55 °C |
| Ambient storage temperature - min | -30 °C |
| Ambient storage temperature - max | 80 °C |
| Terminal capacities | |
| Terminal capacity | 1 x (2.5 - 10) mm ² , flexible 2.5 - 16 mm ² , solid |
| Stripping length (main cable) | 10 mm |
| Tightening torque | 1.8 Nm, Screw terminals, Main cables |
| Electrical rating | |
| Rated conditional short-circuit current (Iq) | 15 kA |
| Rated insulation voltage (Ui) | 690 V |
| Rated operational power at AC-23A, 400 V, 50 Hz | 22 kW |
| Rated operational power at AC-3, 380/400 V, 50 Hz | 18.5 kW |
| Rated operational voltage (Ue) at AC - max | 690 V |

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| Rated uninterrupted current (Iu) | | 63 A |
| Uninterrupted current | | Rated uninterrupted current Iu is specified for max. cross-section. |
| Contacts | | |
| Number of auxiliary contacts (normally closed contacts) | | 0 |
| Number of auxiliary contacts (normally open contacts) | | 0 |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdis | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | 6 W |
| Rated operational current for specified heat dissipation (In) | | 63 A |
| Static heat dissipation, non-current-dependent Pvs | | 0 W |
| 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 | | 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. |
| 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. |