

**Changeover switch, QM, 63 A, 2 x 3 pole, without rotary handle, With drive shaft, 6 mm square**

**Part no. QM63/3  
1319807**

<b>General specifications</b>		
Product name		Eaton QM Changeover switch
Part no.		QM63/3
EAN		8711426471474
Product Length/Depth		100 millimetre
Product height		160 millimetre
Product width		100 millimetre
Product weight		0.39 kilogram
Certifications		CE RoHS VDE 0660 IEC/EN 60204 IEC/EN 60947-3 IEC/EN 60947
Product Tradename		QM
Product Type		Changeover switch
Product Sub Type		None
<b>Features &amp; Functions</b>		
Fitted with:		Drive shaft
Functions		Optional Stop Function
Number of poles		Three-pole
<b>General information</b>		
Accessories		Auxiliary contact or neutral conductor 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
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
Ambient storage temperature - min		-30 °C
Ambient storage temperature - max		80 °C
<b>Terminal capacities</b>		
Terminal capacity		2.5 - 16 mm <sup>2</sup> , solid 1 x (2.5 - 10) mm <sup>2</sup> , flexible
Stripping length (main cable)		10 mm
Tightening torque		1.8 Nm, Screw terminals, Main cables
<b>Electrical rating</b>		
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

Rated uninterrupted current (Iu)		63 A
Uninterrupted current		Rated uninterrupted current Iu is specified for max. cross-section.
<b>Contacts</b>		
Number of auxiliary contacts (normally closed contacts)		0
Number of auxiliary contacts (normally open contacts)		0
<b>Design verification</b>		
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.