

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

Part no. **QM40/3N**
1319970

General specifications		
Product name		Eaton QM Changeover switch
Part no.		QM40/3N
EAN		8711426315396
Product Length/Depth		125 millimetre
Product height		90 millimetre
Product width		125 millimetre
Product weight		0.49 kilogram
Certifications		CE IEC/EN 60947-3 VDE 0660 RoHS IEC/EN 60947 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		Eight-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		Top-hat rail mounting Rear 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
Suitable for		Ground mounting
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		2.5 - 16 mm ² , solid 1 x (2.5 - 10) mm ² , flexible
Stripping length (main cable)		10 mm
Tightening torque		1.8 Nm, Screw terminals, Main cables
Electrical rating		
Rated conditional short-circuit current (Iq)		0 kA
Rated insulation voltage (Ui)		690 V
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

Rated operational voltage (Ue) at AC - max		690 V
Rated uninterrupted current (Iu)		40 A
Uninterrupted current		Rated uninterrupted current Iu is specified for max. cross-section.
Contacts		
Number of auxiliary contacts (change-over contacts)		0
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		4 W
Rated operational current for specified heat dissipation (In)		40 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.