DATASHEET - QSA250N-2/3N.



Fuse switch-disconnector, 3P + N (switched), rear mounting, 250 A, NH1/ NH2

Part no. QSA250N-2/3N.
1318555

General specifications	
Product name	Eaton Moeller® series QSA Fuse switch-disconnector
Part no.	QSA250N-2/3N.
EAN	8711426211148
Product Length/Depth	338 millimetre
Product height	235 millimetre
Product width	183 millimetre
Product weight	5.3 kilogram
Certifications	IEC/EN 60947 IEC/EN 60204 RoHS IEC/EN 60947-3 CE VDE 0660
Product Tradename	QSA
Product Type	Fuse switch-disconnector
Product Sub Type	None
Features & Functions	
Features	Version as main switch
Fitted with:	Connectors
Functions	Optional Stop Function
Number of poles	Four-pole
General information	
Accessories	Auxiliary contact fitted by user.
Actuator type	Without actuator
Construction size	NH1, NH2
Degree of protection	IP00 IP20, with terminal cover
Degree of protection (front side)	IP00
Mounting method	Rear mounting
Mounting position	As required
Overvoltage category	III
Pollution degree	3
Product category	Main switch Fuse-switch-disconnector
Rated impulse withstand voltage (Uimp)	6000 V
Suitable for	Ground mounting DIN fuse-links (blade contacts type)
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
Operating temperature - min	-25 °C
Operating temperature - max	55 °C
Electrical rating	
Rated insulation voltage (Ui)	690 V
Rated operating voltage (Ue) at AC - max	690 V
Rated operational power at AC-23A, 400 V, 50 Hz	147 kW
Rated short-time withstand current (Icw)	0 kA

Rated uninterrupted current (Iu)		250 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 Pdiss		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		250 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.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Fuse switch disconnector (EC001040)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnector (ecl@ss13-27-37-14-01 [AKF058018])

Version as main switch		Yes
Version as safety switch		No
Max. rated operation voltage Ue AC	V	690
Rated permanent current Iu	A	250
Rated operation power at AC-23, 400 V	kW	147
Conditioned rated short-circuit current Iq	kA	50
Rated short-time withstand current Icw	kA	0
Suitable for fuses		NH1, NH2
Number of poles		4
With error protection		No
Type of electrical connection of main circuit		Bolt connection
Cable entry		Top/bottom
Equipped with connectors		Yes
Suitable for floor mounting		Yes
Suitable for front mounting		No
Suitable for busbar mounting		No

Type of control element			Without actuator
Position control element			Front side
Motor drive optional			No
Motor drive integrated			No
Version as emergency stop installation			No
Degree of protection (IP), front side			IP00

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