

Fuse switch-disconnector, 3 pole, rear mounting, 63 A, NH000/NH00, FSO



Powering Business Worldwide™

Part no.

QSA63N0-00/3
1320203

General specifications

Product name	Eaton QSA Fuse Switch-disconnector
Part no.	QSA63N0-00/3
EAN	8711426293878
Product Length/Depth	138 millimetre
Product height	138 millimetre
Product width	165 millimetre
Product weight	1.1 kilogram
Certifications	IEC/EN 60947 VDE 0660 RoHS IEC/EN 60204 CE IEC/EN 60947-3
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	Three-pole

General information

Accessories	Auxiliary contact or neutral conductor fitted by user.
Actuator type	Without actuator
Construction size	NH000, NH00
Degree of protection	IP20, with terminal cover IP00
Degree of protection (front side)	IP00
Mounting method	Rear mounting
Mounting position	As required
Oversupply category	III
Pollution degree	3
Product category	Fuse-switch-disconnector Main switch
Rated impulse withstand voltage (Uimp)	6000 V
Suitable for	DIN fuse-links (blade contacts type) 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
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	30 kW
Rated short-time withstand current (Icw)	0 kA
Rated uninterrupted current (Iu)	63 A

Uninterrupted current	Rated uninterrupted current I_u 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 P_{vid}	0 W
Heat dissipation capacity P_{diss}	0 W
Heat dissipation per pole, current-dependent P_{vid}	2.3 W
Rated operational current for specified heat dissipation (I_n)	63 A
Static heat dissipation, non-current-dependent P_{vs}	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 8.0

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@ss10.0.1-27-37-14-01 [AKF058013])	
Version as main switch	Yes
Version as safety switch	No
Max. rated operation voltage U_e AC	V 690
Rated permanent current I_u	A 63
Rated operation power at AC-23, 400 V	kW 30
Conditioned rated short-circuit current I_q	kA 50
Rated short-time withstand current I_{cw}	kA 0
Suitable for fuses	NH000, NH00
Number of poles	3
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