Specifications

Eaton 1318554

Eaton Moeller® series QSA Fuse switch-disconnector, 3P + N (solid), rear mounting, 250 A, NH1/NH2

General specifications	
PRODUCT NAME	Eaton Moeller® series QSA Fuse switch-disconnector
CATALOG NUMBER	1318554
EAN	8711426884533
PRODUCT LENGTH/DEPTH	338 mm
PRODUCT HEIGHT	235 mm
PRODUCT WIDTH	183 mm
PRODUCT WEIGHT	5 kg
CERTIFICATIONS	CE RoHS IEC/EN 60947-3 IEC/EN 60204 IEC/EN 60947 VDE 0660
MODEL CODE	QSA250N-2/1

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Features & Functions

FEATURES	Version as main switch
FITTED WITH:	Connectors
FUNCTIONS	Optional Stop Function
NUMBER OF POLES	Four-pole

General

ACCESSORIES	Auxiliary contact fitted by user.
ACTUATOR TYPE	Without actuator
CONSTRUCTION SIZE	NH1, NH2
DEGREE OF PROTECTION	IP20, with terminal cover IP00
DEGREE OF PROTECTION (FRONT SIDE)	IP00
MOUNTING METHOD	Rear mounting
MOUNTING POSITION	As required
OVERVOLTAGE 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	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.

Resources

CATALOGUES	eaton-industrial-switch-disconnectors-catalogue-ca008011en-en-gb.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004874.pdf DA-DC-00004907.pdf
DRAWINGS	eaton-rotary-switches-qsa-fuse-switch-disconnector-dimensions-004.eps eaton-rotary-switches-qsa-fuse-switch-disconnector-drawing-002.eps eaton-rotary-switches-qsa-fuse-switch-disconnector-3d-drawing-003.eps eaton-general-mounting-p1-main-switch-symbol-002.eps
ECAD MODEL	DA-CE-ETN.QSA250N-2_1
INSTALLATION INSTRUCTIONS	IL008012ZU
WIRING DIAGRAMS	eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram.eps eaton-rotary-switches-t0-on-off-switch-wiring-diagram-068.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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