## DATASHEET - QSA630-3/3

Fuse switch-disconnector, 3 pole, rear mounting, 630 A, NH3

Part no.	QSA630-3/3
Catalog No.	1318542



Delivery program			
Product range			Fuse-switch-disconnector Main switch maintenance switch
Part group reference			ΩSA
Stop Function			optional
Notes			Suitable for DIN fuse-links (blade contacts type)
Information about equipment supplied			Auxiliary contact or neutral conductor fitted by user.
Number of poles			3 pole
Auxiliary contacts			
1		N/0	0
7		N/C	0
Degree of Protection			IP00 IP20 with terminal cover
Design			rear mounting
Rated uninterrupted current	l <sub>u</sub>	А	630
Note on rated uninterrupted current !u			Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section.
Fuse cartridge		Size	NH3

## **Technical data**

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204 Switch-disconnector according to IEC/EN 60947-3
Certifications			CE, RoHs
Ambient temperature			
Operation	9	°C	-25 - +55
Storage	9	°C	-30 - +80
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U <sub>imp</sub>	kV	6
Rated insulation voltage	Ui	V	690
Mounting position			As required

Contacts

Contacts			
Mechanical variables			
Number of poles			3 pole
Auxiliary contacts			
		N/0	0
		N/C	0
Electrical characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	690
Rated uninterrupted current	l <sub>u</sub>	А	630
Note on rated uninterrupted current !u			Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section.
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	28

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	630
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	28

10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must observed.	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Operating ambient temperature min.     Control     25       Operating ambient temperature max.     Control     55       IECEN 61439 design verification     Meets the product standard's requirements.       10.2.2 Consiston resistance     Meets the product standard's requirements.       10.2.3 Verification of tremal stability of enclosures     Meets the product standard's requirements.       10.2.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.4 Resistance to ultra-violet (VV) rediation     Meets the product standard's requirements.       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.       10.2.7 Inscriptions     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Does not apply, since the entire switchgear needs to be evaluated.	Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Operating ambient temperature max.     PC     5       EC/EN 61439 design verification     Meets the product standard's requirements.       102.2 Corrision resistance     Meets the product standard's requirements.       102.3.1 Verification of thermal stability of anclosures     Meets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       102.4 Resistance to tra-violet (UV) radiation     Meets the product standard's requirements.       102.5 Utring     Does not apply, since the entire switchgear needs to be evaluated.       102.5 Utring     Does not apply, since the entire switchgear needs to be evaluated.       102.5 Utring     Does not apply, since the entire switchgear needs to be evaluated.       102.6 Incorporation of switching devices and components     Does not apply, since the entire switchgear needs to be evaluated.       103.7 Internal electric all circuit and connections     Is the panel builder's responsibility.       103.8 Connections of external conductors     Is the panel builder's responsibility.       103.8 Connections of external conductors     Is the panel builder's respons	Heat dissipation capacity	P <sub>diss</sub>	W	0
ECXN 5143 design verification   Image: Construction     102.2 Corrosion resistance   Meets the product standard's requirements.     102.3.1 Verification of thermal stability of enclosures   Meets the product standard's requirements.     102.3.2.2 Verification of resistance of insulating materials to normal heat   Meets the product standard's requirements.     102.3.2 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.3.2 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.3.2 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.4 Resistance to ultra-violet (UV) radiation   Meets the product standard's requirements.     102.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     102.7 Inscriptions   Does not apply, since the entire switchgear needs to be evaluated.     104.4 Clearances and creepage distances   Meets the product standard's requirements.     105.5 Protection against electric shock   Does not apply, since the entire switchgear needs to be evaluated.     104.1 Normal electrical circuits and components   Does not apply, since the entire switchgear needs to be evaluated.     105.8 Protection against electric strongth   Is the panel builder's responsibility.	Operating ambient temperature min.		°C	-25
10.2 Strength of materials and parts   Meets the product standard's requirements.     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.     10.2.3.2 Verification of resistance of insulating materials to abnormal heat   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.     10.2.5 Lotting   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   Does not apply, since the entire switchgear needs to be evaluated.     10.4 Clearances and creepage distances   Does not apply, since the entire switchgear needs to be evaluated.     10.8 Incorporation of switching devices and components   Does not apply, since the entire switchgear needs to be evaluated.     10.8 Incorporation for weternal conductors   Is the panel builder's responsibility.     10.8 Incorporation for switching devices and components   Is the panel builder's responsibility.	Operating ambient temperature max.		°C	55
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10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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			

## **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 Ue AC	V	690
Rated permanent current lu	А	630
Rated operation power at AC-23, 400 V	kW	375
Conditioned rated short-circuit current Iq	kA	50
Rated short-time withstand current lcw	kA	0
Suitable for fuses		NH3
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	IPOO