



NH fuse switch-disconnector, 250A, 500V/250A, 690V/200A, size 1

Part no. **GST1-A0**
Catalog No. **107250**

Similar to illustration

Delivery program

Product range			60 mm system
Subrange			NH fuse switch-disconnectors
Description			Including handguard at top and bottom Mounting without holes
Function			For surface mounting on busbars For fitting on mounting plate
Number of poles			3 pole
Connection			Screw M10. Top
Interval between busbar centres		mm	60
Rated operational current	I_e	A	250
Max. fuse			
500 V		A	250
690 V		A	200
Frame size			NH1
For use with			20 x 5/10 25 x 5/10 30 x 5/10
For use with			Double T profile

Technical data

General

Standards			IEC/EN 60947-3
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Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			-25 - +55
Altitude		m	Max. 2000
Interval between busbar centres		mm	60
Mounting position			Vertical or horizontal
Overvoltage category/pollution degree			III/3
Protection type			IP20 (Operating state) IP10 (Front cover open)
Direction of incoming supply			as required
Lifespan, mechanical	Operations		1700
Weight		kg	4.4

Contacts

Rated operational voltage	U_e	V AC	690
Rated operational voltage	U_e	V DC	440
Rated operational current	I_e	A	250
Rated frequency	f	Hz	40 - 60
Rated conditional short-circuit current AC	I_q	kA _{eff}	50
Rated conditional short-circuit current, DC	I_q	kA _{rms}	25
Utilization category AC22B			
Rated making capacity		A	600
Rated breaking capacity		A	600
Utilization category DC21B			
Rated making capacity		A	300

Rated breaking capacity	A	300
Lifespan, electrical	Operations	200
Electrical	Operations	200
Lifespan, mechanical	Operations	1700
Heat dissipation at I _{th} AC, without NH-SE	W	8.3
Heat dissipation at I _{th} DC, without NH-SE	W	5.5
Rated insulation voltage	U _i	V AC 750
Rated impulse withstand voltage	U _{imp}	kV 8
Rated insulation voltage	U _i	V 750

Max. fuse

Frame size		NH1
Max. rated current, gL/gG	A	250
Max. admissible heat dissipation NH-SE	P _v	W 23

Terminal capacity

Flange connection			
Main cable	d	mm	M10
Cable lug		mm ²	1 x 25 - 100
Flat busbar	max.	mm	30 x 10
Tightening torque		Nm	30 - 35
Box terminal			
Stranded copper		mm ²	25 ... 150
Copper braid	Lamellenzahl x Breite x Dicke	mm	6 x 16 x 0.8
Tightening torque		Nm	9.5
Clamp-type terminal			
Stranded aluminium/copper		mm ²	70 ... 150
Tightening torque		Nm	4.5
Double clamp-type terminal			
Stranded aluminium/copper		mm ²	2 x (70 ... 95)
Tightening torque		Nm	4.5

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Fuse switch disconnecter (EC001040)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnector (ecI@ss10.0.1-27-37-14-01 [AKF058013])			
Version as main switch			No
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	100
Conditioned rated short-circuit current Iq		kA	50
Rated short-time withstand current Icw		kA	50
Suitable for fuses			NH1
Number of poles			3
With error protection			No
Type of electrical connection of main circuit			Screw connection
Cable entry			
Equipped with connectors			
Suitable for ground mounting			No
Suitable for front mounting 4-hole			No

