DATASHEET - GSTA1



Part no.

Catalog No.

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

GSTA1

017250

Powering Business Worldwide™

Similar to illustration

Delivery program

Delivery program				
			For fitting on mounting plate	
Number of poles			3 pole	
Rated operational current	I _e	Α	250	
Max. fuse				
500 V		Α	250	
690 V		Α	200	
Frame size			NH1	
For use with			In conjunction with adapter plates: A-GSTA	

Technical data

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Sandards EICH MORPHATA EICH MORPHATA Climatic proofing Climatic proofing Dump heats crucktant, to ICE 00008-2-39 Ambition themperature Movement of the proofing of the properties of protection of proofing position Movement of the proofing of the properties of protection of provided or horizontal	General			
Multiput temperature	Standards			IEC/EN 60947-3
Altitude Mounting position Overvoltage category/pollution degree Overvoltage Front cover open Overvoltage Overvoltag	Climatic proofing			
Mounting position Vertical or horizontal Overvoltage category/pollution degree γ (γ	Ambient temperature		°C	-20 - +55
Degree of protection, from the front 120 Operational state 120 Front cover open 120 Direction of incoming supply 180 Direction of incoming supply 400 Weight 25 Contacts Rated operational voltage Rated operational voltage 20 20 Rated operational voltage 20 20 Rated operational voltage 40 40 Rated operational volta	Altitude		m	Max. 2000
Degree of protection, from the front 9.20 1920 Operational state 19.00 19.00 Front cover open 2.00 19.00 Direction of incoming supply 3.00 14.00 Lifespan, mechanical 0 perations 2.5 Contacts Rated operational voltage Us V AC 500 Rated operational voltage Us V DC 220 Rated operational voltage f Hz 40.60 Rated operational voltage f Hz 50.00 Rated operational voltage f Hz 40.60 Rated operational voltage f Hz 40.60 Rated operational voltage f A 750 Rated conditional short-circuit current, DC g A 300 Rated presenting capacity	Mounting position			Vertical or horizontal
Operational state P20 Front cover open P10 Direction of incoming supply se required Lifespan, mechanical Operations H20 Weight kg 25 Contacts Rated operational voltage Ue VAC 500 Rated operational voltage Ue VDC 220 Rated operational current Ie A 250 Rated operational short-circuit current AC Iq AA 250 Rated doradional short-circuit current, DC Iq KAerris 50 Rated breaking capacity Iq A 750 Rated breaking capacity A 750 Rated breaking capacity A 300 Rated making capacity A 300 Rated making capacity A 300 Rated precisional cally AC, without NH-SE V 1400 Lifespan, mechanical Iq VAC 750 Heat dissipation at I _{In} DC, without NH-SE V XAC 750	Overvoltage category/pollution degree			III/3
Front cover open Front cover open IP10 Direction of incoming supply as required Lifespan, mechanical Operations 1400 Weight bg 2.5 Contacts Rated operational voltage U _e V AC 500 Rated operational voltage U _e V DC 220 Rated operational current I _e A 250 Rated frequency f Hz 40 - 60 Rated conditional short-circuit current, DC I _q kA _{erres} 25 Rated making capacity A 750 Rated making capacity A 750 Rated breaking capacity A 300 Lifespan, electrical Operations I Lifespan, electrical Operations I Lifespan, me	Degree of protection, from the front			
Direction of incoming supply Residuation as required Lifespan, mechanical Operations 1400 Weight 2.5 Contacts Stated operational voltage Rated operational voltage U _e V DC 220 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 de making capacity I _q kA _{eff} 50 Rated making capacity I _q kA _{eff} 50 Rated breaking capacity I _q X _{eff} 750 Rated breaking capacity I _q A 750 Rated breaking capacity I _q A 300 Rated breaking capacity I _q A 300 Rated breaking capacity I _q A 300 Rated breaking capacity I _q I _q I _q Rated breaking capacity I _q I _q I _q	Operational state			IP20
Lifespan, mechanical Operations I 400 Weight kg 2.5 Contacts ***********************************	Front cover open			IP10
Weight kg 25 Contacts Rated operational voltage Ue V AC 500 Rated operational voltage Ue V DC 220 Rated operational current Ie A 250 Rated operational current AC Iq KAerr 50 Rated conditional short-circuit current AC Iq KAerr 50 Rated conditional short-circuit current, DC Iq KAerr 50 Rated making capacity A 750 Rated breaking capacity A 750 Rated breaking capacity A 300 Lification category DC21B A 300 Rated preaking capacity A 300 Lifespan, electrical Operations 200 Lifespan, mechanical Operations 400 Heat dissipation at I _{In} AC, without NH-SE W 129 Heat dissipation voltage V 750 Rated insulation voltage V 750 Rated insulation voltage V 750	Direction of incoming supply			as required
Contacts Rated operational voltage Ue V AC 500 Rated operational voltage Ue V DC 220 Rated operational current Ie A 250 Rated operational short-circuit current AC Iq Kaet 50 Rated conditional short-circuit current, DC Iq KArms 50 Rated making capacity A 750 Rated breaking capacity A 750 Rated breaking capacity A 300 Utilization category AC218 A 300 Rated making capacity A 300 Rated breaking capacity A 300 Rated breaking capacity A 300 Lifespan, mechanical Operations B 200 Heat dissipation at I _{th} AC, without NH-SE W 12.9 Heat dissipation voltage VAC 750 Rated insulation voltage VAC 750 Rated insulation voltage VI VAC 750	Lifespan, mechanical	Operations		1400
Rated operational voltage U _e V AC 500 Rated operational voltage U _e V DC 220 Rated operational current I _e A 250 Rated frequency f Hz 40-60 Rated conditional short-circuit current, DC I _q kA _{eff} 50 Rated making capacity I _q kA _{rms} 25 Rated breaking capacity A 70 Rated making capacity A 70 Rated making capacity A 300 Rated breaking capacity A 300 Rated breaking capacity A 300 Rated breaking capacity A 300 Lifespan, electrical Operations W 300 Lifespan, electrical Operations W 20 Heat dissipation at I _{th} AC, without NH-SE W 20 Rated insulation voltage V XO 50 Rated insulation voltage V XO 50 Rated insulation voltage V			kg	2.5
Rated operational voltage Ue V DC 220 Rated operational current Ig A 250 Rated frequency f Hz 40 - 60 Rated conditional short-circuit current, DC Iq kA _{eff} 50 Rated conditional short-circuit current, DC Iq kA _{rms} 25 Utilization category AC22B A 750 Rated breaking capacity A 750 Rated making capacity A 300 Rated breaking capacity A 300 Lifespan, electrical Operations 200 Lifespan, mechanical V 12.9 Heat dissipation at I _{th} AC, without NH-SE W 8.6 Rated insulation voltage U _i V AC 750 Rated insulation voltage U _i V AC 750 Rated insulation voltage U _i V AC 750 <td></td> <td></td> <td></td> <td></td>				
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Rated conditional short-circuit current, DC Utilization category AC22B Rated making capacity Rated breaking capacity A 750 Utilization category DC21B Rated making capacity Rated making capacity A 300 Rated breaking capacity A 300 Rated breaking capacity Utilization category DC21B Rated making capacity A 300 Rated breaking capacity Utilization category DC21B Rated breaking capacity A 300 Rated breaking capacity Utilization category DC21B Rated breaking capacity A 300 Utilization category DC21B Rated breaking capacity A 300 Utilization category DC21B A 300 A	Rated frequency	f	Hz	40 - 60
Utilization category AC22B A 750 Rated breaking capacity A 750 Utilization category DC21B Bated making capacity A 300 Rated breaking capacity A 300 Rated breaking capacity A 300 Lifespan, electrical Operations Doperations Lifespan, mechanical Operations 1400 Heat dissipation at Ith AC, without NH-SE W 12.9 Heat dissipation at Ith DC, without NH-SE W 8.6 Rated insulation voltage Uinp kV 8 Rated insulation voltage Uinp kV 8 Rated insulation voltage Ui V 750 Max. fuse	Rated conditional short-circuit current AC	I_q	kA _{eff}	50
Rated making capacity Rated breaking capacity A 750 Utilization category DC21B Rated making capacity Rated breaking capacity Rated breaking capacity A 300 Rated breaking capacity Lifespan, electrical Operations Operations Operations Operations 1400 Heat dissipation at I _{th} AC, without NH-SE W 12.9 Heat dissipation at I _{th} DC, without NH-SE W 8.6 Rated insulation voltage Rated insulation voltage Vi W AC T50 Rated insulation voltage Vi W 750 Max. fuse	Rated conditional short-circuit current, DC	I_q	kA _{rms}	25
Rated breaking capacity Utilization category DC21B Rated making capacity Rated breaking capacity Rated breaking capacity A 300 Rated breaking capacity Lifespan, electrical Operations Operations Uifespan, mechanical Heat dissipation at I _{th} AC, without NH-SE W 12.9 Heat dissipation at I _{th} DC, without NH-SE W 8.6 Rated insulation voltage Ui V AC 750 Rated impulse withstand voltage Uimp kV 8 Rated insulation voltage Ui V 750 Max. fuse	Utilization category AC22B			
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Rated making capacity Rated breaking capacity A 300 Lifespan, electrical Operations Operations Operations Ith AC, without NH-SE W 12.9 Heat dissipation at Ith DC, without NH-SE W 8.6 Rated insulation voltage Ui VAC 750 Rated impulse withstand voltage Rated insulation voltage Ui V 750 Max. fuse	Rated breaking capacity		Α	750
Rated breaking capacity Lifespan, electrical Operations Operations 1400 Heat dissipation at Ith AC, without NH-SE We as a second of the	Utilization category DC21B			
Lifespan, electrical Operations 200 Lifespan, mechanical Operations 1400 Heat dissipation at I _{th} AC, without NH-SE W 12.9 Heat dissipation at I _{th} DC, without NH-SE W 8.6 Rated insulation voltage U _{imp} kV 8 Rated impulse withstand voltage U _{imp} kV 8 Rated insulation voltage U _i V 750 Max. fuse	Rated making capacity		Α	300
Lifespan, mechanical Heat dissipation at I _{th} AC, without NH-SE We as 6 Rated insulation voltage Rated impulse withstand voltage Ui V AC Uimp kV 8.6 Rated insulation voltage Uimp Vimp V	Rated breaking capacity		Α	300
Heat dissipation at I _{th} AC, without NH-SE Heat dissipation at I _{th} DC, without NH-SE W 8.6 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	Lifespan, electrical	Operations		200
Heat dissipation at I _{th} DC, without NH-SE Rated insulation voltage U _i V AC 750 Rated impulse withstand voltage U _{imp} kV 8 Rated insulation voltage U _i V 50 Max. fuse	Lifespan, mechanical	Operations		1400
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	Heat dissipation at I _{th} AC, without NH-SE		W	12.9
Rated impulse withstand voltage U _{imp} kV 8 Rated insulation voltage U _i V 750 Max. fuse	Heat dissipation at I _{th} DC, without NH-SE		W	8.6
Rated insulation voltage Ui V 750 Max. fuse	Rated insulation voltage	Ui	V AC	750
Max. fuse	Rated impulse withstand voltage	U _{imp}	kV	8
	Rated insulation voltage	Ui	V	750
Frame size NH1	Max. fuse			
	Frame size			NH1

Max. rated current, gL/gG		Α	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 - 150
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

Notes

Fuse-link

Technical data ETIM 7.0

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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		No	
Version as safety switch		No	
Max. rated operation voltage Ue AC	V	690	
Rated permanent current lu	Α	250	
Rated operation power at AC-23, 400 V	kW	0	
Conditioned rated short-circuit current Iq	kA	50	
Rated short-time withstand current lcw	kA	0	
Suitable for fuses		NH1	
Number of poles		3	
With error protection		No	
Type of electrical connection of main circuit		Cable clamp	
Cable entry			
Equipped with connectors			
Suitable for ground mounting		Yes	
Suitable for front mounting 4-hole		No	
Suitable for busbar mounting		No	
Type of control element		Cover grip	
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		IP20	

Dimensions

