



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

Part no. GST1-AU
Article no. 107251

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. Bottom
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 61131-3
Standards			IEC/EN 60947-3
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

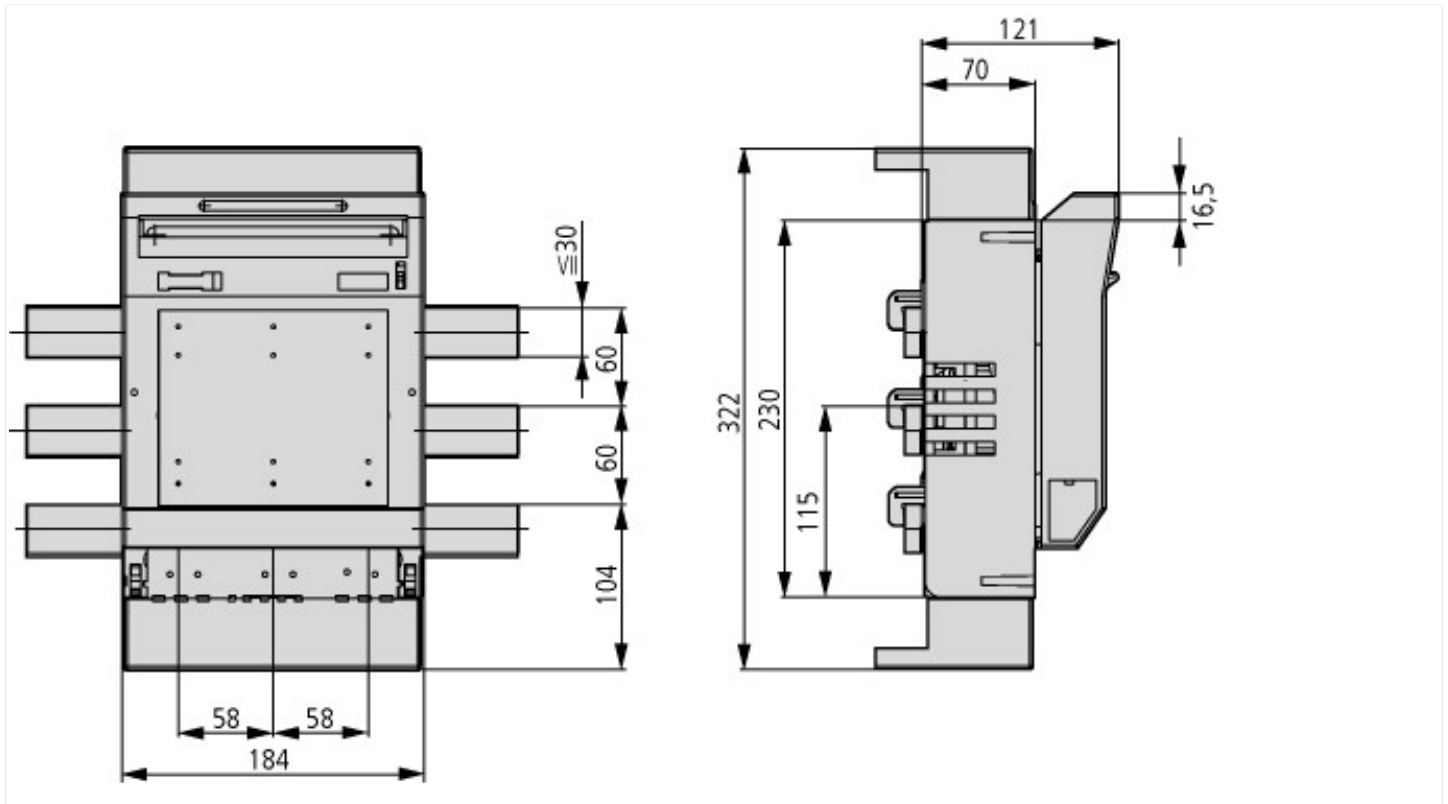
Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

Technical data ETIM 6.0

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 disconnecter (ecI@ss8.1-27-37-14-01 [AKF058010])			
Version as main switch			No
Version as safety switch			No
Max. rated operation voltage U _e AC		V	690
Rated permanent current I _u		A	250
Rated operation power at AC-23, 400 V		kW	100
Conditioned rated short-circuit current I _q		kA	50
Rated short-time withstand current I _{cw}		kA	50
Suitable for fuses			NH1
Number of poles			3
With error protection			No
Type of electrical connection of main circuit			Screw connection
Suitable for ground mounting			No
Suitable for front mounting 4-hole			No
Suitable for busbar mounting			Yes

Type of control element		Rocker lever
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



Additional product information (links)

AWA4300-1526 Low-voltage h.b.c. fuse switch-cisconnector

AWA4300-1526 Low-voltage h.b.c. fuse switch-cisconnector ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/15260696.pdf