



NH fuse switch-disconnector, 630A, 500V/630A, 690V/500A, size 3

Part no. **GSTA3**  
Catalog No. **026742**

Similar to illustration

## Delivery program

			For fitting on mounting plate
Number of poles			3 pole
Rated operational current	$I_e$	A	630
<b>Max. fuse</b>			
500 V		A	630
690 V		A	500
Frame size			NH3

## Technical data

### General

Standards			IEC/EN 60947-3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Altitude		m	Max. 2000
Mounting position			Vertical or horizontal
Overvoltage category/pollution degree			III/3
Degree of protection, from the front			
Operational state			IP20
Front cover open			IP10
Direction of incoming supply			as required
Lifespan, mechanical	Operations		800
Weight		kg	4.6

### Contacts

Rated operational voltage	$U_e$	V AC	500
Rated operational voltage	$U_e$	V DC	220
Rated operational current	$I_e$	A	630
Rated frequency	f	Hz	40 - 60
Rated conditional short-circuit current AC	$I_q$	kA <sub>eff</sub>	50
Rated conditional short-circuit current, DC	$I_q$	kA <sub>rms</sub>	25
Utilization category AC22B			
Rated making capacity		A	1890
Rated breaking capacity		A	1890
Utilization category DC21B			
Rated making capacity		A	750
Rated breaking capacity		A	750
Lifespan, electrical	Operations		200
Lifespan, mechanical	Operations		800
Heat dissipation at $I_{th}$ AC, without NH-SE		W	52
Heat dissipation at $I_{th}$ DC, without NH-SE		W	34.7
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			NH3
Max. rated current, gL/gG		A	630
Max. admissible heat dissipation NH-SE	$P_v$	W	48

## Terminal capacity

Flange connection			
Main cable	d	mm	M10
Cable lug		mm <sup>2</sup>	1 x 25 - 300
Flat busbar	max.	mm	40 x 10
Tightening torque		Nm	30 - 35
Box terminal			
Stranded copper		mm <sup>2</sup>	25 ... 300
Copper braid	Lamellenzahl x Breite x Dicke	mm	11 x 21 x 1
Tightening torque		Nm	23
Clamp-type terminal			
Stranded aluminium/copper		mm <sup>2</sup>	120 ... 300
Tightening torque		Nm	11
Double clamp-type terminal			
Stranded aluminium/copper		mm <sup>2</sup>	2 x (120 - 240)
Tightening torque		Nm	11

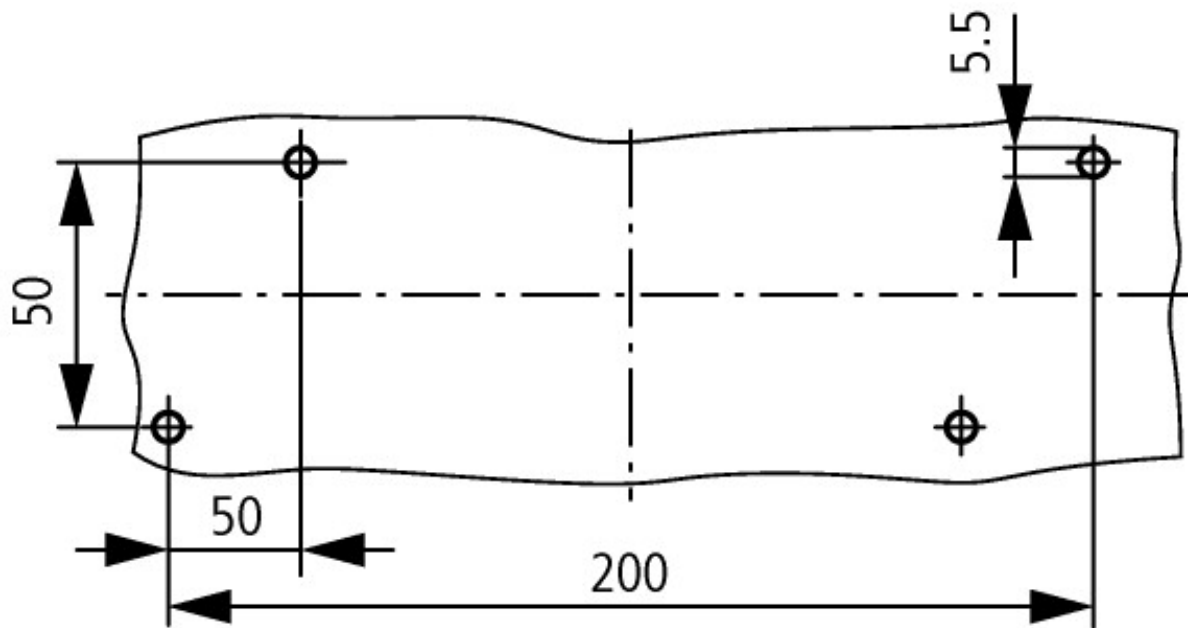
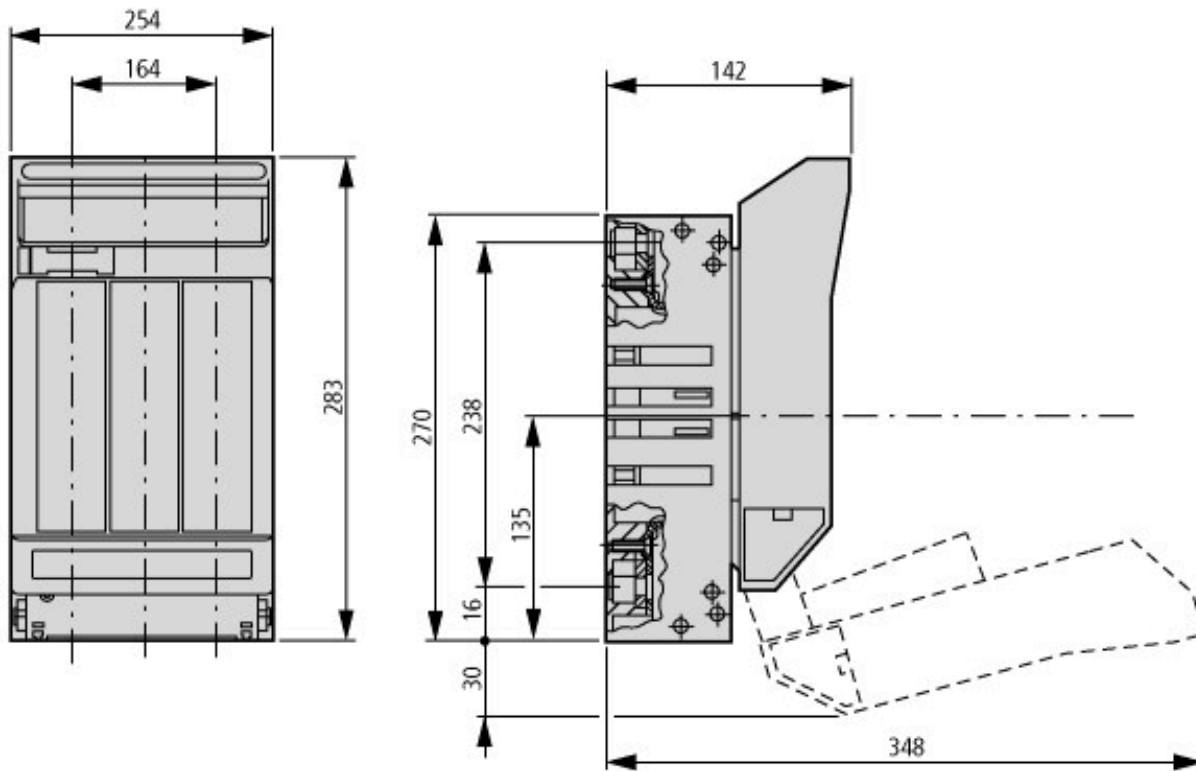
## Notes

Fuse-link

## 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 disconnecter (ecl@ss10.0.1-27-37-14-01 [AKF058013])			
Version as main switch			No
Version as safety switch			No
Max. rated operation voltage U <sub>e</sub> AC		V	690
Rated permanent current I <sub>u</sub>		A	630
Rated operation power at AC-23, 400 V		kW	0
Conditioned rated short-circuit current I <sub>q</sub>		kA	80
Rated short-time withstand current I <sub>cw</sub>		kA	0
Suitable for fuses			NH2, NH3
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



Drilling dimensions

## Additional product information (links)

AWA4640-0589 Fuse switch-disconnector

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[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/05890696.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05890696.pdf)