



## NH fuse switch-disconnector, 160A, 500V/160A, 690V/100A, size 00

**Part no.** **GSTA00-160**  
**Article no.** **095558**



Similar to illustration

## Delivery program

			For fitting on mounting plate
Number of poles			3 pole
Rated operational current	$I_e$	A	160
<b>Max. fuse</b>			
500 V		A	160
690 V		A	100
Frame size			NH00

## 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
Ambient temperature		°C	-20 - +55
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		1700
Weight		kg	0.72

### Contacts

Rated operational voltage	$U_e$	V AC	500
Rated operational voltage	$U_e$	V DC	220
Rated operational current	$I_e$	A	160
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	480
Rated breaking capacity		A	480
Utilization category DC21B			
Rated making capacity		A	150
Rated breaking capacity		A	150
Lifespan, electrical	Operations		300
Lifespan, mechanical	Operations		1700
Heat dissipation at $I_{th}$ AC, without NH-SE		W	6.9
Heat dissipation at $I_{th}$ DC, without NH-SE		W	4.6
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

Frame size			NH00
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Max. rated current, gL/gG		A	160
Max. admissible heat dissipation NH-SE	P <sub>V</sub>	W	12

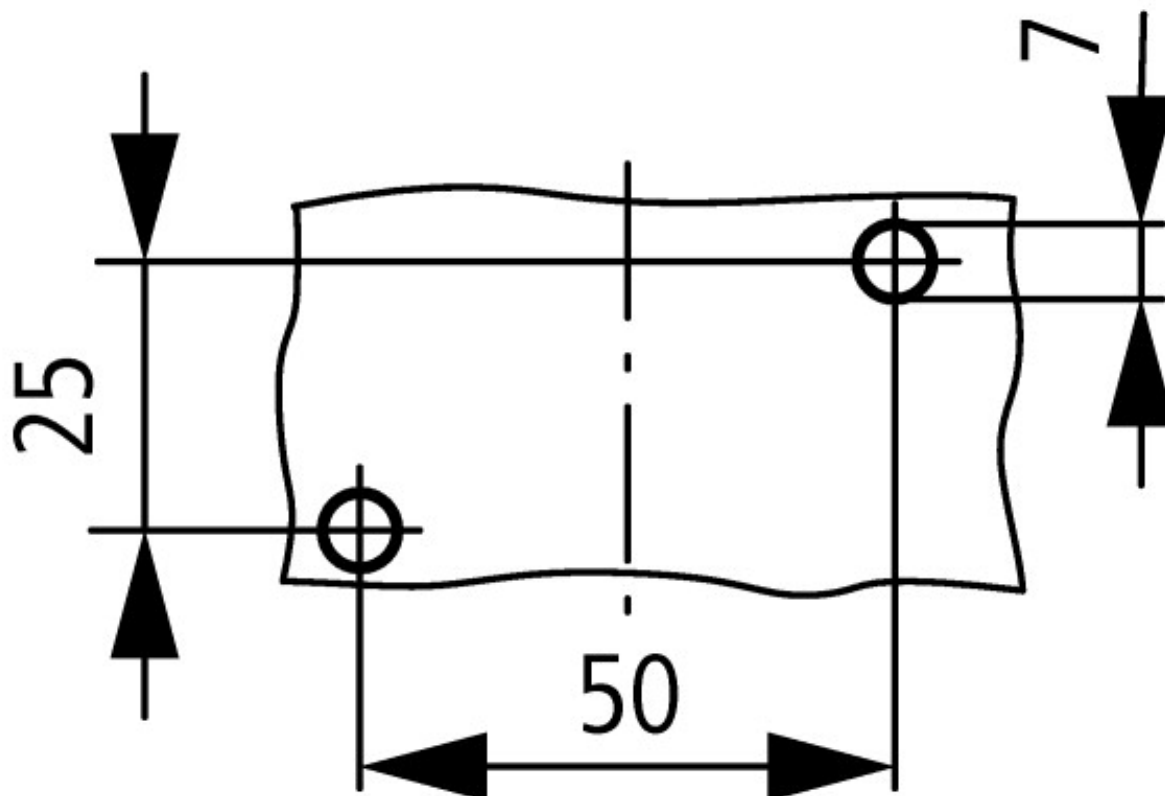
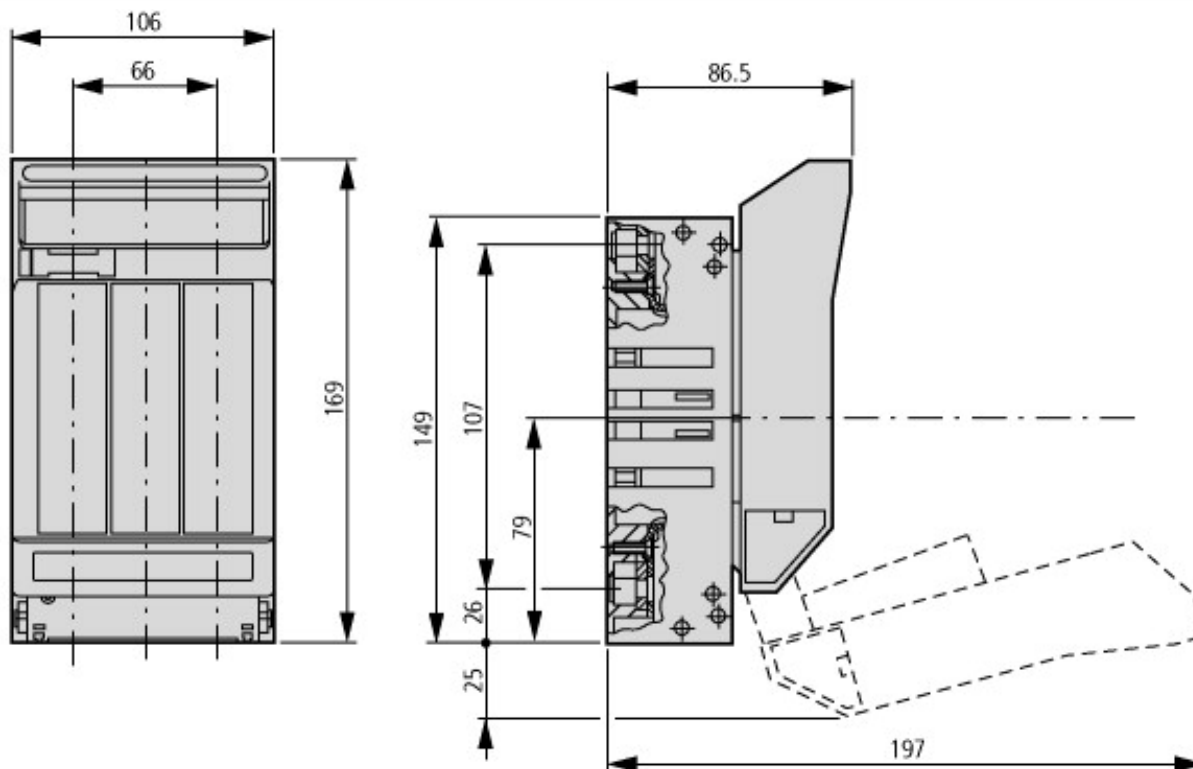
## Terminal capacity

Box terminal			
Stranded		mm <sup>2</sup>	1.5 - 70
Copper strip	Number of segments x width x thickness	mm	6 x 9 x 0.8
Tightening torque		Nm	2.6
Box terminal			
Stranded copper		mm <sup>2</sup>	1.5 ... 70

## 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 <sub>e</sub> AC		V	690
Rated permanent current I <sub>u</sub>		A	160
Rated operation power at AC-23, 400 V		kW	64
Conditioned rated short-circuit current I <sub>q</sub>		kA	50
Rated short-time withstand current I <sub>cw</sub>		kA	50
Suitable for fuses			NH00
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



### Drilling dimensions

### Additional product information (links)

**AWA4640-0589 Fuse switch-disconnector**

AWA4640-0589 Fuse switch-disconnector	<a href="http://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05890696.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05890696.pdf</a>
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### AWA1400-1503 Fuse switch disconnectors

AWA1400-1503 Fuse switch disconnect [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/15030696.pdf](http://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/15030696.pdf)