



Fuse disconnect, 160A, 500V/160A, 690V/160A, size 00

Part no. **GST00-160-40-60-AOU**
 Catalog No. **224550**

Delivery program

Product range			60 mm system
Subrange			NH fuse switch-disconnectors
Description			Without hand guard Mounting without holes
Function			For surface mounting on busbars
Number of poles			3 pole
Connection			Box terminal 1.5...70 mm ² top or bottom
Interval between busbar centres		mm	40 50 60
Rated operational current	I _e	A	160
Max. fuse			
500 V		A	160
690 V		A	100
Frame size			NH00
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			Type tested low-voltage switchgear and controlgear assemblies (TTA); IEC/EN 60439-1, VDE 0660 Part 500 Type tested low-voltage switchgear and controlgear assemblies that are accessible for operations by unskilled persons (distribution board); IEC/EN 60439-3, VDE 0660 part 504
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	-25 - +55
Ambient temperature			-25 - +55
Altitude		m	Max. 2000
Interval between busbar centres		mm	40 50 60
Mounting position			Vertical or horizontal
Overvoltage category/pollution degree			III/3
Protection type			IP20 (Operating state) IP10 (Front cover open)
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	0.93

Contacts

Rated operational voltage	U _e	V AC	690
Rated operational voltage	U _e	V DC	440
Rated operational current	I _e	A	160
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	300
Rated breaking capacity		A	300
Utilization category DC21B			
Rated making capacity		A	150
Rated breaking capacity		A	150
Lifespan, electrical	Operations		300
Electrical		Operations	≥ 300
Lifespan, mechanical	Operations		1700
Heat dissipation at I _{th} AC, without NH-SE		W	2.7
Heat dissipation at I _{th} DC, without NH-SE		W	1.8
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
Max. rated current, gL/gG		A	160
Max. admissible heat dissipation NH-SE	P _v	W	12

Terminal capacity

Box terminal			
Stranded		mm ²	1.5 - 70
Copper strip	Number of segments x width x thickness	mm	6 x 9 x 0.8
Tightening torque		Nm	2.6
Copper band	Number of segments x width x thickness	mm	6 x 9 x 0.8

Notes

Fuse-link

Design verification as per IEC/EN 61439

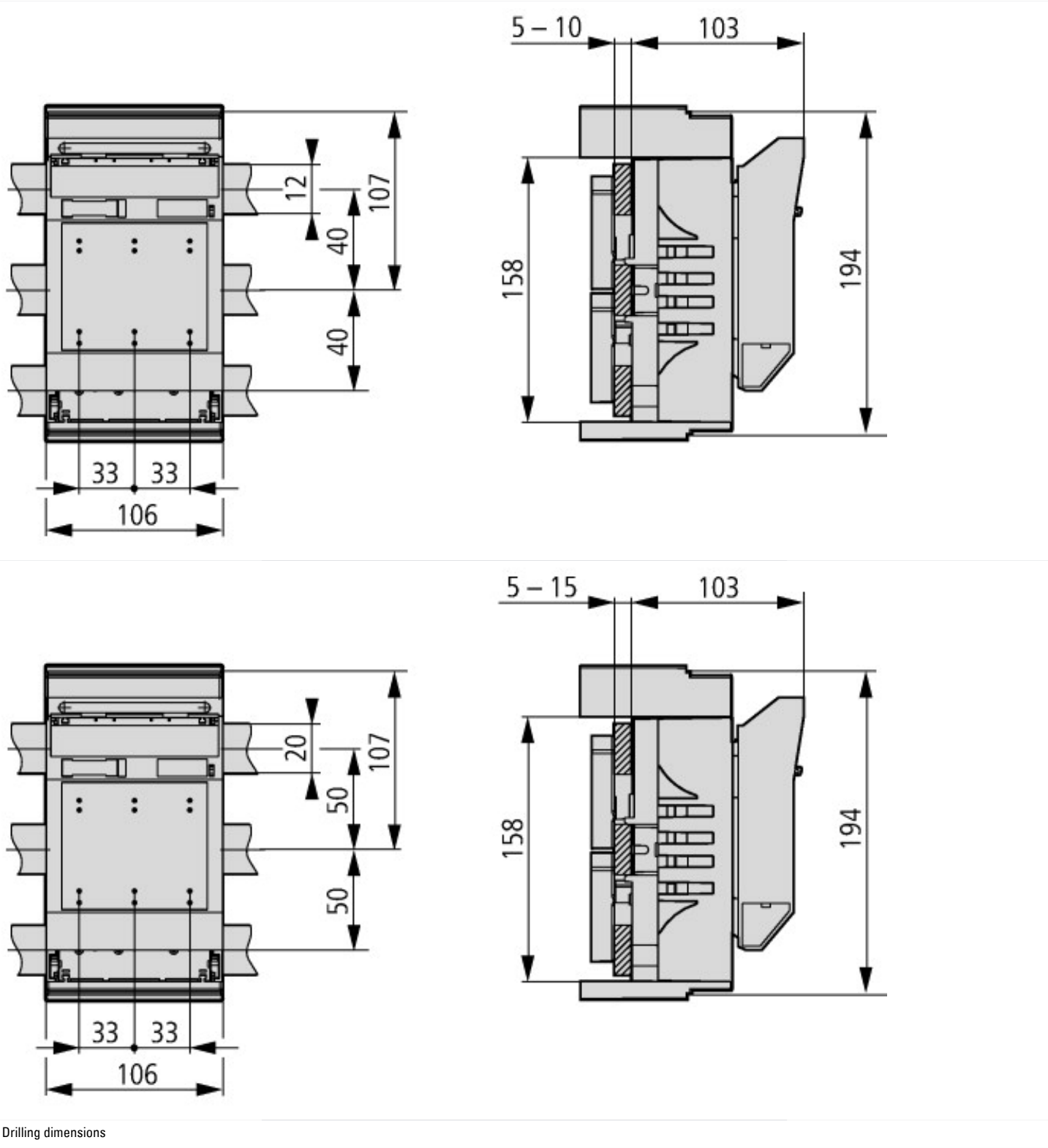
Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

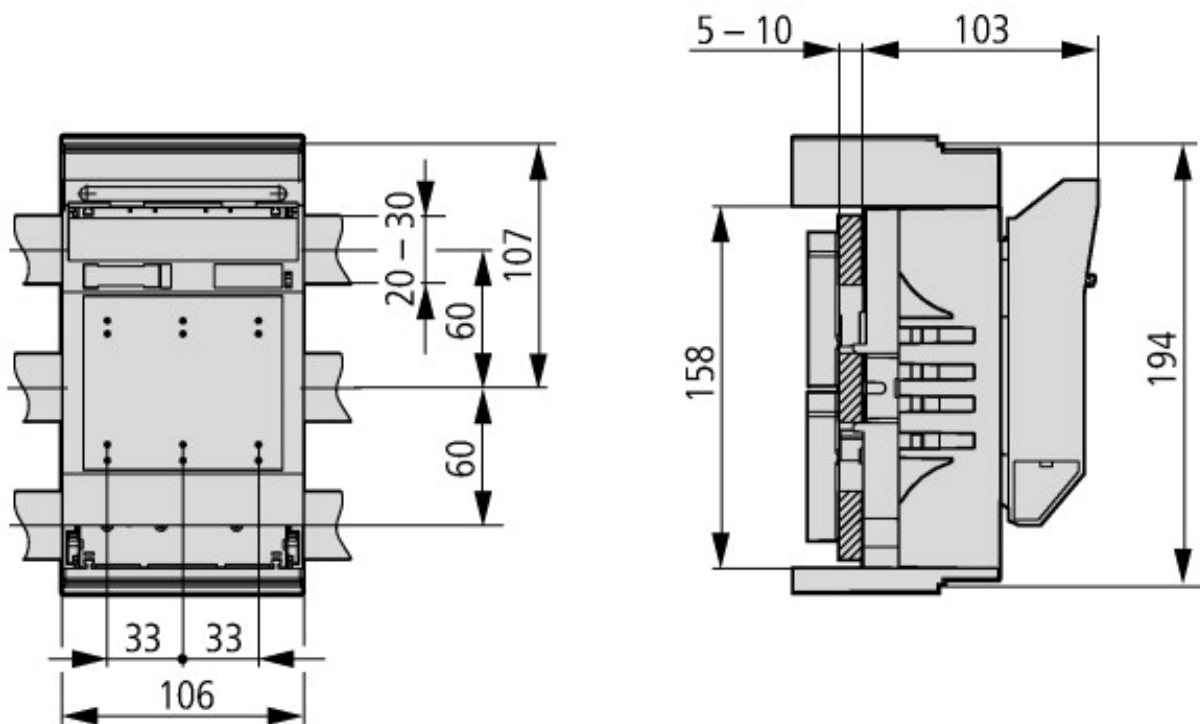
Technical data ETIM 6.0

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	160
Rated operation power at AC-23, 400 V		kW	64
Conditioned rated short-circuit current I _q		kA	50
Rated short-time withstand current I _{cw}		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





Additional product information (links)

AWA4300-1504 Low-voltage h.b.c. fuse switch-disconnector

AWA4300-1504 Low-voltage h.b.c. fuse switch-disconnector https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/15040696.pdf

AWA1400-1903 Low voltage h.b.c. fuse switch-disconnector

AWA1400-1903 Low voltage h.b.c. fuse switch-disconnector https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/19030806.pdf