



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 |
| Max. fuse | | | |
| 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 _{eff} | 50 |
| Rated conditional short-circuit current, DC | I_q | kA _{rms} | 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 ² | 1 x 25 - 300 |
| Flat busbar | max. | mm | 40 x 10 |
| Tightening torque | | Nm | 30 - 35 |
| Box terminal | | | |
| Stranded copper | | mm ² | 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 ² | 120 ... 300 |
| Tightening torque | | Nm | 11 |
| Double clamp-type terminal | | | |
| Stranded aluminium/copper | | mm ² | 2 x (120 - 240) |
| Tightening torque | | Nm | 11 |

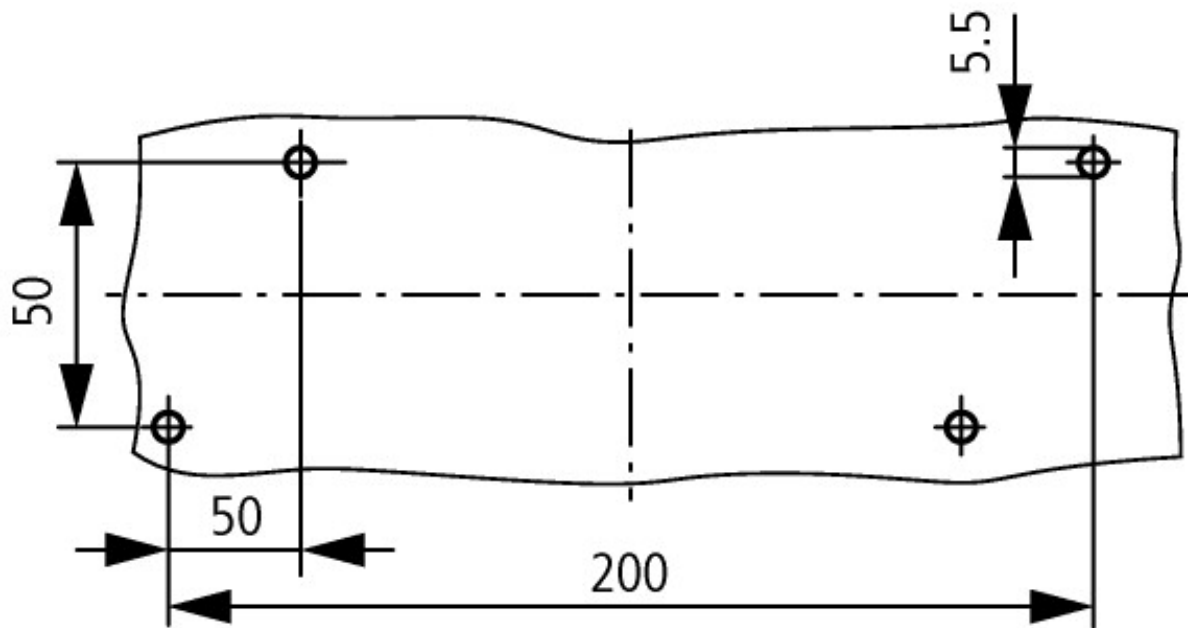
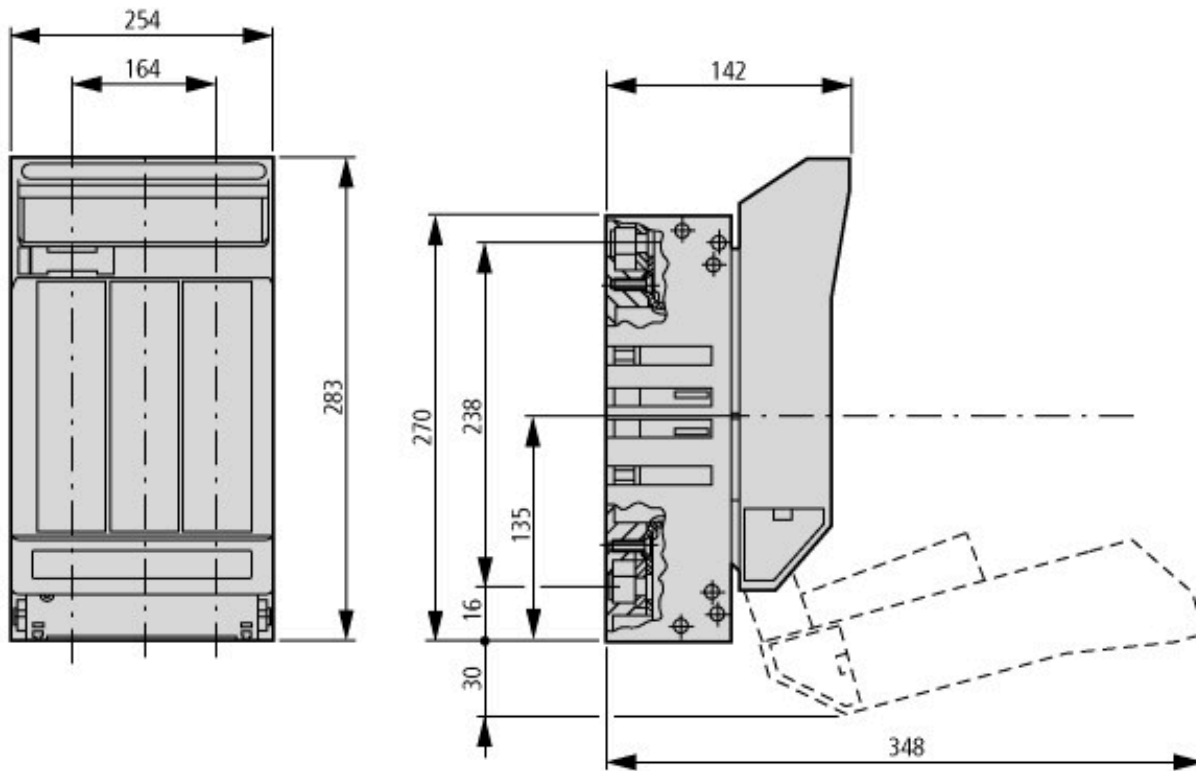
Notes

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 _e AC | | V | 690 |
| Rated permanent current I _u | | A | 630 |
| Rated operation power at AC-23, 400 V | | kW | 0 |
| Conditioned rated short-circuit current I _q | | kA | 80 |
| Rated short-time withstand current I _{cw} | | 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

AWA4640-0589 Fuse switch-disconnector

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05890696.pdf