

withdrawable circuit breaker with guide frame 3-pole, size I, IEC In=1000A to 690V, AC50/60Hz Icu=85kA at 500V rear connection horizontal Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground fault/N protection integrated With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC

| Model | |
|--|--|
| product brand name | SENTRON |
| product designation | ACB |
| design of the product | IEC 60947-2 |
| design of the actuating element | Pushbutton |
| type of the driving mechanism | Manual operating mechanism with mechanical closing |
| type of the driving mechanism / motor drive | No |
| design of the overcurrent release | ETU27B |
| General technical data | |
| number of poles | 3 |
| size of the circuit-breaker | 1 |
| utilization category | B |
| circuit-breaker / Design | 3WL1 |
| Voltage | |
| Rated insulation voltage Ui | 1 000 V |
| insulation voltage / rated value | 1 000 V |
| operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |
| Protection class | |
| protection class IP | IP20 |
| protection class IP / on the front | IP20 |
| protection function of the overcurrent release | LSING |
| Dissipation | |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 65 W |
| • maximum | 195 W |
| Current | |
| operational current | |
| • at 40 °C / rated value | 1 000 A |
| • at 45 °C / rated value | 1 000 A |
| • at 50 °C / rated value | 1 000 A |
| • at 55 °C / rated value | 1 000 A |
| • at 60 °C / rated value | 1 000 A |
| • at 65 °C / rated value | 1 000 A |
| • at 70 °C / rated value | 1 000 A |
| continuous current / rated value / maximum | 1 000 A |
| continuous current / rated value | 1 000 A |
| adjustable current response value current | |
| • of the current-dependent overload release / full-scale value | 1 000 A |
| • of instantaneous short-circuit trip unit / minimum | 20 000 A |
| • of instantaneous short-circuit trip unit / maximum | 20 000 A |
| Main circuit | |
| operating frequency | |
| • 1 / rated value | 50 Hz |
| • 2 / rated value | 60 Hz |

| Auxiliary circuit | | | | |
|---|--------------------------------------|-----|---------------------------|-------------------|
| number of NC contacts / for auxiliary contacts | 2 | | | |
| number of NO contacts / for auxiliary contacts | 2 | | | |
| Suitability | | | | |
| suitability for use | Plant / motor protection | | | |
| Adjustable parameters | | | | |
| adjustable current response value current / of the current-dependent overload release / initial value | 400 A | | | |
| Product details | | | | |
| product component | | | | |
| • trip indicator | Yes | | | |
| • voltage trigger | No | | | |
| • undervoltage release | No | | | |
| design of the auxiliary switch | 2 NO + 2 NC | | | |
| product extension / optional / motor drive | Yes | | | |
| Product function | | | | |
| product function | | | | |
| • grounding protection | Yes | | | |
| • phase failure detection | Yes | | | |
| Display and operation | | | | |
| display version | without display | | | |
| Short circuit | | | | |
| breaking capacity operating short-circuit current (Ics) | | | | |
| • at 415 V / rated value | 85 kA | | | |
| • at 500 V / rated value | 85 kA | | | |
| • at 690 V / rated value | 66 kA | | | |
| breaking capacity maximum short-circuit current (Icu) | | | | |
| • at 415 V / rated value | 85 kA | | | |
| • at 500 V / rated value | 85 kA | | | |
| • at 690 V / rated value | 66 kA | | | |
| Connections | | | | |
| arrangement of electrical connectors / for main current circuit | Main connection rear side horizontal | | | |
| type of electrical connection / for main current circuit | busbar connection | | | |
| Mechanical Design | | | | |
| height | 460 mm | | | |
| width | 320 mm | | | |
| depth | 456 mm | | | |
| fastening method | drawer unit | | | |
| Environmental conditions | | | | |
| ambient temperature / during operation | | | | |
| • minimum | -20 °C | | | |
| • maximum | 70 °C | | | |
| ambient temperature / during storage | | | | |
| • minimum | -40 °C | | | |
| • maximum | 70 °C | | | |
| General Product Approval | | EMC | Declaration of Conformity | Test Certificates |



[UK Declaration of Conformity](#)



[Type Test Certificates/Test Report](#)

Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Miscellaneous](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Environmental Confirmations](#)

[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

Dangerous Good

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-4DG36-1AA2>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-4DG36-1AA2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

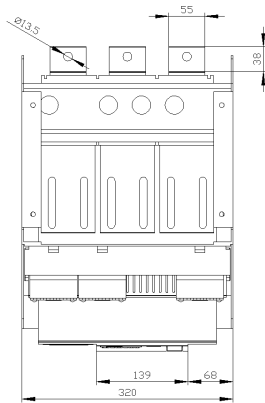
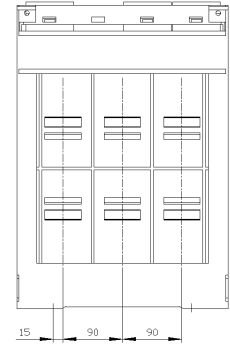
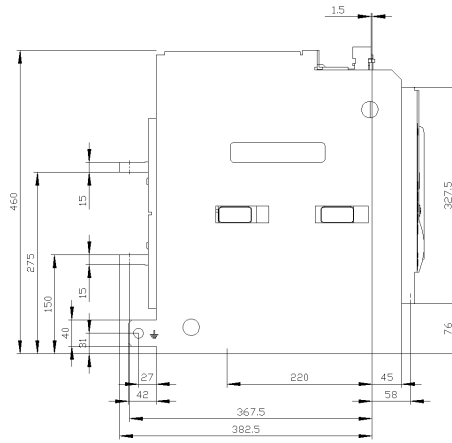
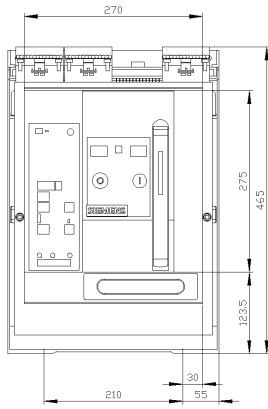
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-4DG36-1AA2

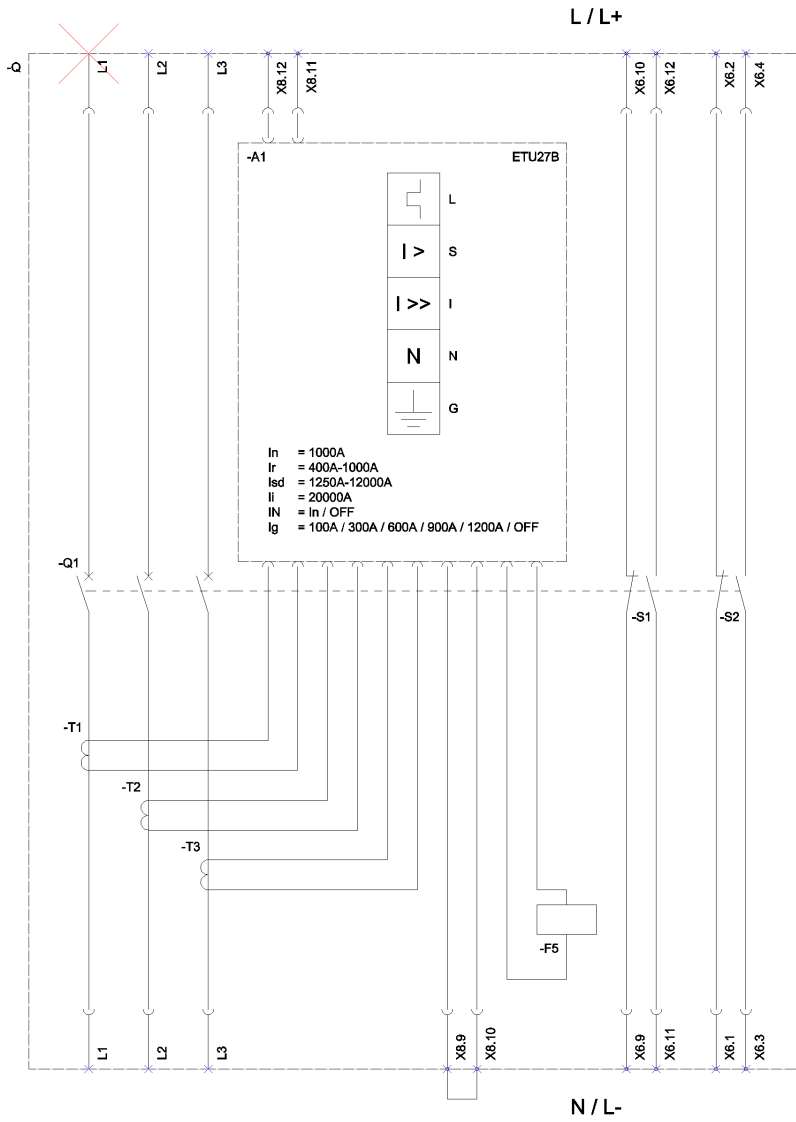
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
 I (Instantaneous / Kurzschlusschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz);
 G (Ground Fault Protection / Erdschlusschutz); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

last modified:

3/5/2020

