

Draw-out circuit breaker with slide-in module frame 3-pole, Size 1, IEC In=800 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC T40= Door sealing frame



| Model | |
|-----------------------------------|----------------------------------------------------|
| Product brand name | SENTRON |
| Product designation | ACB |
| Design of the auxiliary switch | 2 NO + 2 NC |
| Design of the product | IEC 60947-2 |
| Design of the operating mechanism | 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 | ETU25B |
| General technical data | |
| Number of poles | 3 |
| Size of the circuit-breaker | 1 |
| Usage category | B |
| circuit-breaker / Design | 3WL1 |
| Voltage | |
| Rated insulation voltage Ui | 1 000 V |
| Protection class | |
| Protection class IP | IP20 |
| Protective function of the overcurrent release | LSI |
| Dissipation | |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 65 W |
| Electricity | |
| Operating current / at 45 °C / rated value | 800 A |
| Continuous current / rated value | 800 A |
| Adjustable pick-up value current | |
| • of the current-dependent overload release / Full-scale value | 800 A |
| • of instantaneous short-circuit trip unit / initial value | 16 000 A |
| • of instantaneous short-circuit trip unit / Full-scale value | 16 000 A |
| Main circuit | |
| Operating frequency | |
| • 1 / rated value | 50 Hz |
| • 2 / rated value | 60 Hz |
| Operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |
| Operating current | |
| • at 40 °C / rated value | 800 A |
| • at 50 °C / rated value | 800 A |
| • at 55 °C / rated value | 800 A |
| • at 60 °C / rated value | 800 A |
| • at 65 °C / rated value | 800 A |
| • at 70 °C / rated value | 800 A |
| 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 pick-up value current / of the current-dependent overload release / initial value | 320 A |
| Product details | |
| Product component | |
| • Trip indicator | Yes |
| • Voltage trigger | No |
| • undervoltage release | No |
| Product extension / optional / motor drive | Yes |
| Product function | |
| Product function | |
| • Ground fault protection | No |
| • Phase failure detection | Yes |
| Display and operation | |
| Display version | without display |
| Short circuit | |
| Operational short-circuit current breaking capacity (Ics) | |
| • at 415 V / rated value | 55 kA |
| • at 500 V / rated value | 55 kA |
| • at 690 V / rated value | 42 kA |
| Maximum short-circuit current breaking capacity (Icu) | |
| • at 415 V / rated value | 55 kA |
| • at 500 V / rated value | 55 kA |
| • at 690 V / rated value | 42 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 |
| Mounting type | drawer unit |
| Environmental conditions | |
| Ambient temperature | |

-40 ... +70 °C

-40 ... +80 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

Q

Q

General Product Approval

Declaration of Conformity

Test Certificates



CCC

CB

CB



VDE



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS

Lloyd's
Register

LRS



PRS



RMRS

[CCS / China Classification Society](#)

other

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-2CB66-1AA2-Z T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-2CB66-1AA2-Z T40>

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

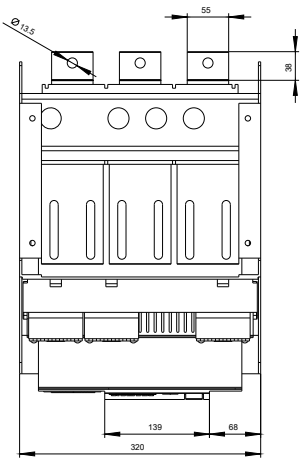
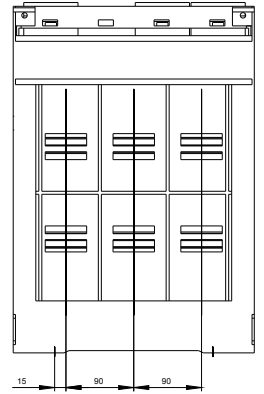
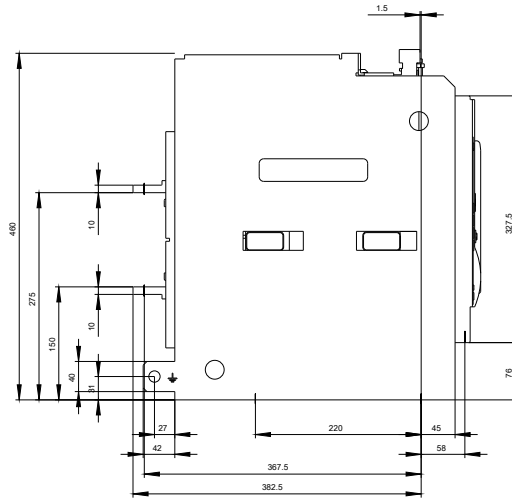
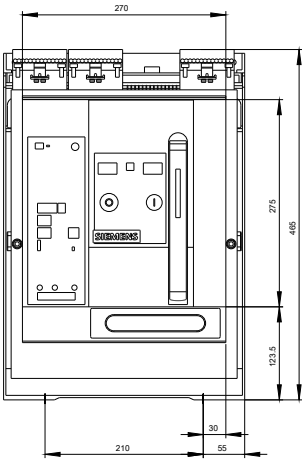
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-2CB66-1AA2-Z T40

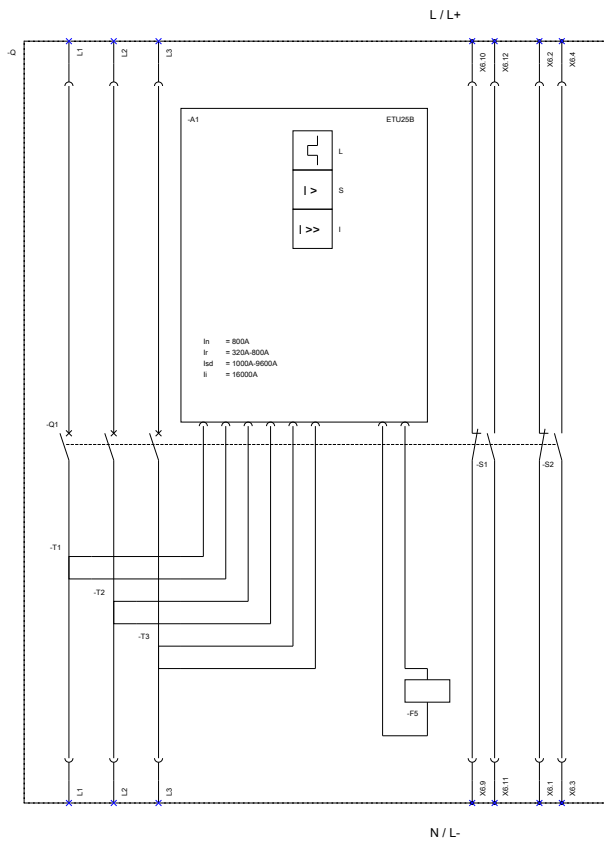
CAX-Online-Generator

<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); F5 (Maglatch for trip unit / Auslösemagnet);
 S1 - S8 (Auxiliary switch / Hilfsschalter);

last modified:

12/26/2019