

withdrawable circuit breaker with guide frame 3-pole, size I, IEC In=630A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 4NO+4NC R21= Shutter 2-part can be locked with padlock R30= Locking device against opening the control cabinet door S07= Locking device in OFF position w. 4 bracket locks (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2 T40= Door sealing frame

| 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/motorized operating mechanism with mechanical and electrical closing |
| type of the driving mechanism / motor drive   | Yes   |
| design of the overcurrent release   | ETU25B  |
| 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 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  |
| • maximum   | 195 W   |
| Main circuit  |   |
| operating frequency   |   |
| • 1 / rated value   | 50 Hz   |
| • 2 / rated value   | 60 Hz   |
| Auxiliary circuit   |   |
| number of NC contacts / for auxiliary contacts  | 4   |
| number of NO contacts / for auxiliary contacts  | 4   |
| Suitability   |   |
| suitability for use   | Plant / motor protection  |
| Adjustable parameters   |   |
| adjustable current response value current / of the current-dependent overload release / initial value | 252 A   |
| Product details   |   |
| product component   |   |
| • trip indicator  | Yes   |
| • voltage trigger   | No  |
| • undervoltage release  | Yes   |
| design of the auxiliary switch  | 4 NO + 4 NC   |

|   |                                      |
|---|--------------------------------------|
| product extension / optional / motor drive                      | No                                   |
| <b>Product function</b>   |                                      |
| product function  |                                      |
| • grounding protection  | No                                   |
| • phase failure detection                                       | Yes                                  |
| <b>Display and operation</b>                                    |                                      |
| display version   | without display                      |
| <b>Short circuit</b>  |                                      |
| operating short-circuit current breaking capacity (Ics)         |                                      |
| • at 415 V / rated value  | 66 kA                                |
| • at 500 V / rated value  | 66 kA                                |
| • at 690 V / rated value  | 50 kA                                |
| maximum short-circuit current breaking capacity (Icu)           |                                      |
| • at 415 V / rated value  | 66 kA                                |
| • at 500 V / rated value  | 66 kA                                |
| • at 690 V / rated value  | 50 kA                                |
| <b>Connections</b>  |                                      |
| arrangement of electrical connectors / for main current circuit | Main connection rear side horizontal |
| type of electrical connection / for main current circuit        | busbar connection                    |
| <b>Mechanical Design</b>  |                                      |
| height  | 460 mm                               |
| width   | 320 mm                               |
| depth   | 456 mm                               |
| fastening method  | drawer unit                          |
| <b>Environmental conditions</b>                                 |                                      |
| ambient temperature / during operation                          |                                      |
| • minimum   | -20 °C                               |
| • maximum   | 70 °C                                |
| ambient temperature / during storage                            |                                      |
| • minimum   | -40 °C                               |
| • maximum   | 70 °C                                |
| <b>Further information</b>                                      |                                      |

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-3CB36-4AS4-Z R21+R30+S07+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3CB36-4AS4-Z R21+R30+S07+T40>

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

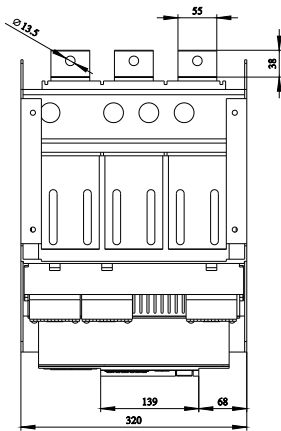
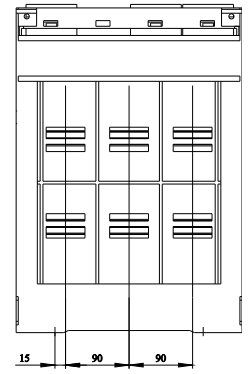
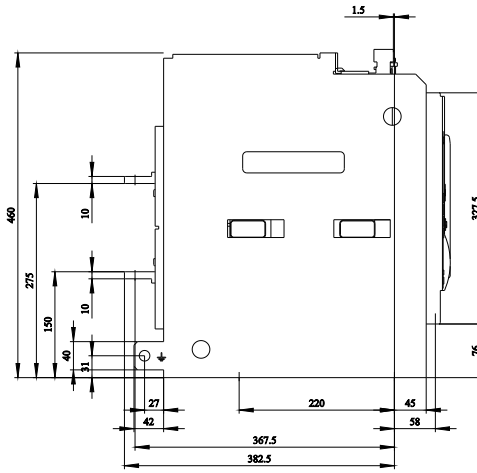
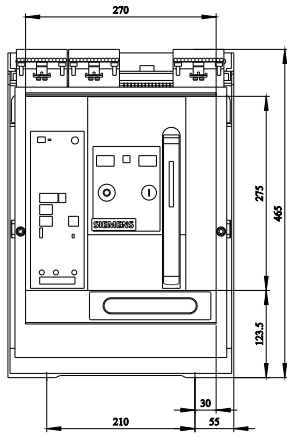
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1106-3CB36-4AS4-Z R21+R30+S07+T40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3CB36-4AS4-Z R21+R30+S07+T40)

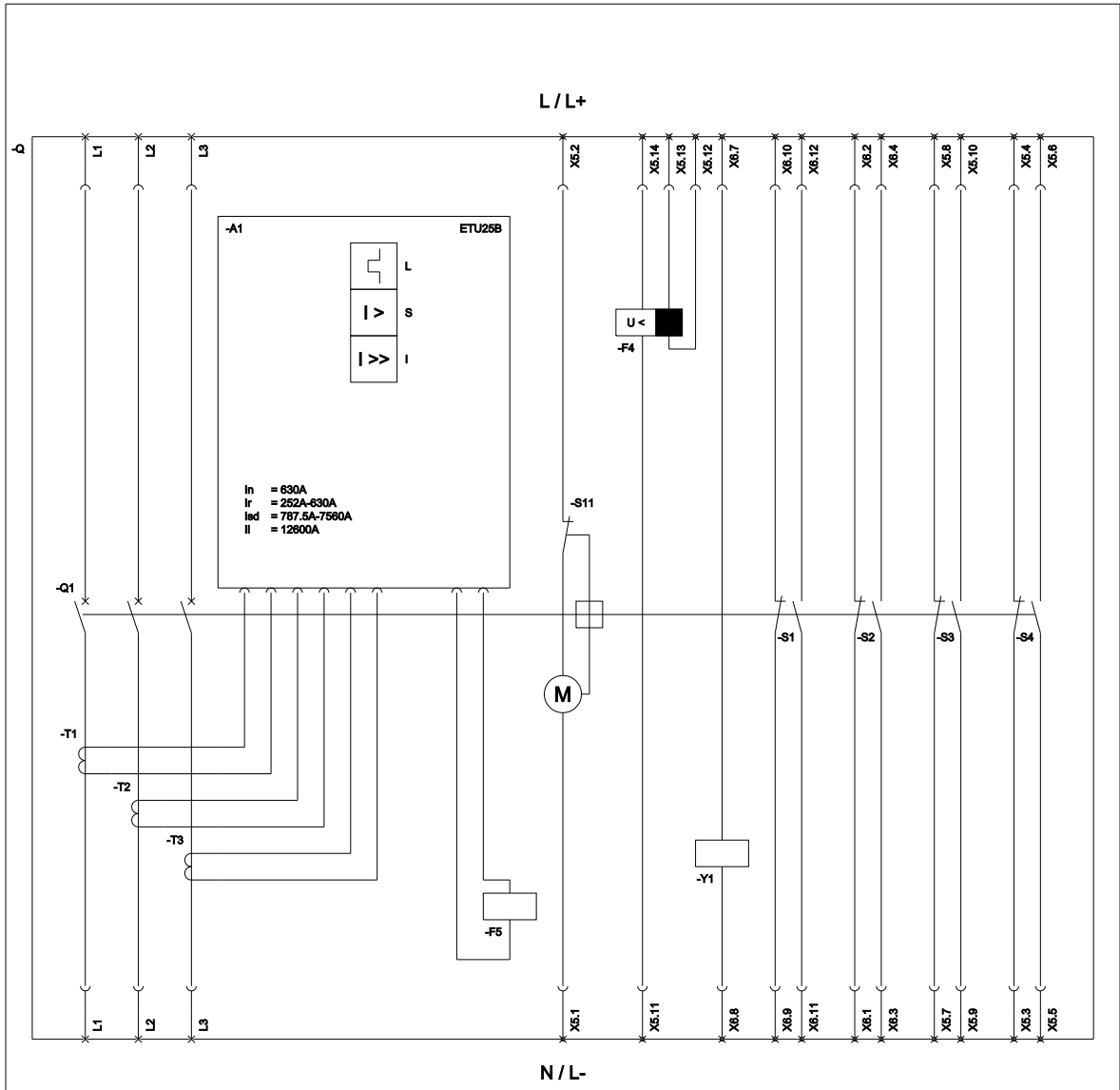
**CAX-Online-Generator**

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

**Tender specifications**

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögerter); I (Instantaneous / Kurzschlussschutz, unverzögerter);  
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F4 (Undervoltage release time delayed / Unterspannungsauflöser verzögerbar);  
 F5 (Maglatch for trip unit / Anlösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/19/2020

