

withdrawable circuit breaker with guide frame 3-pole, size I, IEC  
In=630A to 690V, AC50/60Hz Icu=55kA at 500V rear connection  
horizontal 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



| 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   |
| <b>General technical data</b>                                                               |          |
| Number of poles                                                                             | 3        |
| Size of the circuit-breaker                                                                 | 1        |
| Usage category                                                                              | B        |
| circuit-breaker / Design                                                                    | 3WL1     |
| <b>Voltage</b>                                                                              |          |
| Rated insulation voltage $U_i$                                                              | 1 000 V  |
| <b>Protection class</b>                                                                     |          |
| Protection class IP                                                                         | IP20     |
| Protection class IP / on the front                                                          | IP20     |
| Protective function of the overcurrent release                                              | LSI      |
| <b>Dissipation</b>                                                                          |          |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 65 W     |
| <b>Electricity</b>                                                                          |          |
| Operating current / at 45 °C / rated value                                                  | 630 A    |
| Continuous current / rated value                                                            | 630 A    |
| Adjustable pick-up value current                                                            |          |
| • of the current-dependent overload release / Full-scale value                              | 630 A    |
| • of instantaneous short-circuit trip unit / initial value                                  | 12 600 A |
| • of instantaneous short-circuit trip unit / Full-scale value                               | 12 600 A |
| <b>Main circuit</b>                                                                         |          |
| 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                                                                    | 630 A    |
| • at 50 °C / rated value                                                                    | 630 A    |
| • at 55 °C / rated value                                                                    | 630 A    |
| • at 60 °C / rated value                                                                    | 630 A    |
| • at 65 °C / rated value                                                                    | 630 A    |
| • at 70 °C / rated value                                                                    | 630 A    |
| <b>Auxiliary circuit</b>                                                                    |          |

|                                                                                              |                          |
|----------------------------------------------------------------------------------------------|--------------------------|
| Number of NC contacts / for auxiliary contacts                                               | 2                        |
| Number of NO contacts / for auxiliary contacts                                               | 2                        |
| <b>Suitability</b>                                                                           |                          |
| Suitability for use                                                                          | Plant / motor protection |
| <b>Adjustable parameters</b>                                                                 |                          |
| Adjustable pick-up value current / of the current-dependent overload release / initial value | 252 A                    |
| <b>Product details</b>                                                                       |                          |
| Product component                                                                            |                          |
| • Trip indicator                                                                             | Yes                      |
| • Voltage trigger                                                                            | No                       |
| • undervoltage release                                                                       | No                       |
| Product extension / optional / motor drive                                                   | Yes                      |
| <b>Product function</b>                                                                      |                          |
| Product function                                                                             |                          |
| • Ground fault protection                                                                    | No                       |
| • Phase failure detection                                                                    | Yes                      |
| <b>Display and operation</b>                                                                 |                          |
| Display version                                                                              | without display          |
| <b>Short circuit</b>                                                                         |                          |
| 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                    |
| <b>Connections</b>                                                                           |                          |
| Type of electrical connection / for main current circuit                                     | busbar connection        |
| <b>Mechanical Design</b>                                                                     |                          |
| Height                                                                                       | 460 mm                   |
| Width                                                                                        | 320 mm                   |
| Depth                                                                                        | 456 mm                   |
| Mounting type                                                                                | drawer unit              |
| <b>Environmental conditions</b>                                                              |                          |
| Ambient temperature                                                                          |                          |
|                                                                                              | -20 ... +70 °C           |

-40 ... +70 °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



VDE



CB



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

### Shipping Approval

### other



ABS



BUREAU  
VERITAS



LRS



PRS



RMRS

[Environmental Confirmations](#)

### other

[Manufacturer Declaration](#)

[Miscellaneous](#)

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-2CB36-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-2CB36-1AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1106-2CB36-1AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-2CB36-1AA2)

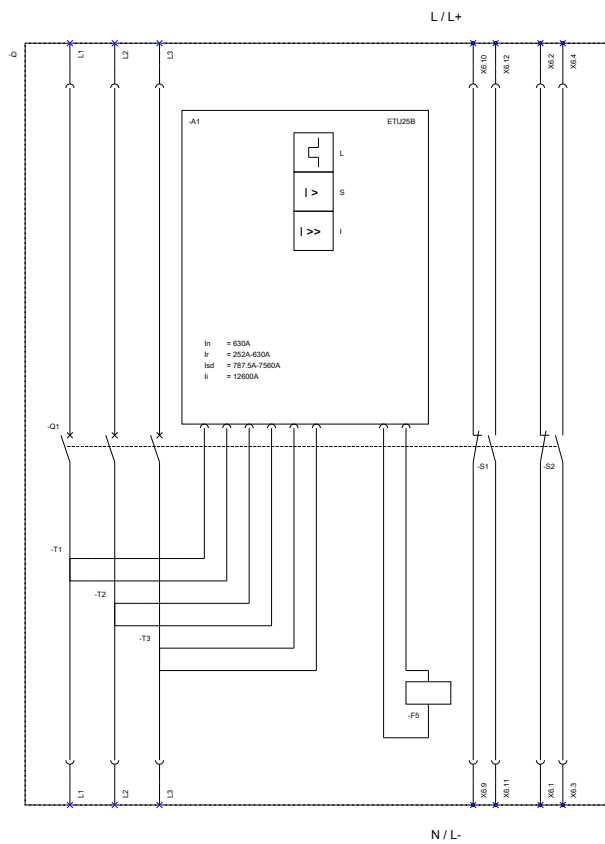
### CAX-Online-Generator

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

last modified:

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