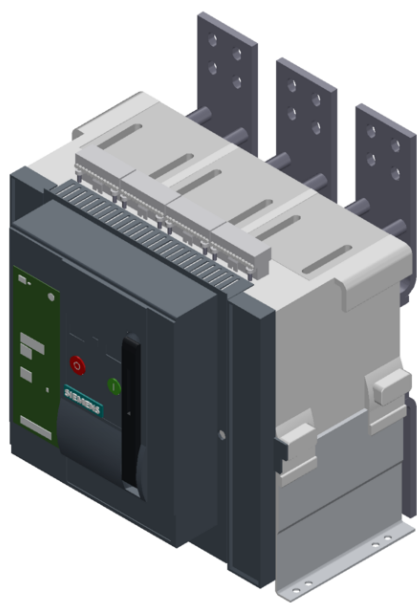


fixed-mounted circuit breaker 3-pole, size II, IEC In=1000A to 690V, AC50/60Hz Icu=100kA at 500V frnt.conn. top/bot. dual-hole  
Overcurrent release ETU 15 LI protection adjustable 0.5-1 in  
Motorized/manual operating mechanism with memory Drive motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC C22= Ready indicator F31= EMC filter



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/motorized operating mechanism with mechanical and electrical closing |
| Type of the driving mechanism / motor drive | Yes                                                                         |
| Design of the overcurrent release           | ETU15B                                                                      |

#### General technical data

|                             |      |
|-----------------------------|------|
| Number of poles             | 3    |
| Size of the circuit-breaker | 2    |
| Usage category              | B    |
| circuit-breaker / Design    | 3WL1 |

#### Voltage

|                                |         |
|--------------------------------|---------|
| Rated insulation voltage $U_i$ | 1 000 V |
|--------------------------------|---------|

#### Protection class

|                                                |      |
|------------------------------------------------|------|
| Protection class IP                            | IP20 |
| Protection class IP / on the front             | IP20 |
| Protective function of the overcurrent release | LI   |

#### Dissipation

|                                                                                             |      |
|---------------------------------------------------------------------------------------------|------|
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 15 W |
|---------------------------------------------------------------------------------------------|------|

#### Electricity

|                                                                |         |
|----------------------------------------------------------------|---------|
| Operating current / at 45 °C / rated value                     | 1 000 A |
| Continuous current / rated value                               | 1 000 A |
| Adjustable pick-up value current                               |         |
| • of the current-dependent overload release / Full-scale value | 1 000 A |
| • of instantaneous short-circuit trip unit / initial value     | 2 000 A |
| • of instantaneous short-circuit trip unit / Full-scale value  | 8 000 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            | 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 |

|                                                                                              |                                              |
|----------------------------------------------------------------------------------------------|----------------------------------------------|
| Auxiliary circuit                                                                            |                                              |
| Number of NC contacts / for auxiliary contacts                                               | 2                                            |
| Number of NO contacts / for auxiliary contacts                                               | 2                                            |
| Suitability                                                                                  |                                              |
| Suitability for use                                                                          | system protection                            |
| Adjustable parameters                                                                        |                                              |
| Adjustable pick-up value current / of the current-dependent overload release / initial value | 500 A                                        |
| Product details                                                                              |                                              |
| Product component                                                                            |                                              |
| • Trip indicator                                                                             | Yes                                          |
| • Voltage trigger                                                                            | No                                           |
| • undervoltage release                                                                       | Yes                                          |
| Product extension / optional / motor drive                                                   | No                                           |
| Product function                                                                             |                                              |
| Product function                                                                             |                                              |
| • Ground fault protection                                                                    | No                                           |
| • Phase failure detection                                                                    | No                                           |
| Display and operation                                                                        |                                              |
| Display version                                                                              | without display                              |
| Short circuit                                                                                |                                              |
| Operational short-circuit current breaking capacity (Ics)                                    |                                              |
| • at 415 V / rated value                                                                     | 100 kA                                       |
| • at 500 V / rated value                                                                     | 100 kA                                       |
| • at 690 V / rated value                                                                     | 85 kA                                        |
| Maximum short-circuit current breaking capacity (Icu)                                        |                                              |
| • at 415 V / rated value                                                                     | 100 kA                                       |
| • at 500 V / rated value                                                                     | 100 kA                                       |
| • at 690 V / rated value                                                                     | 85 kA                                        |
| Connections                                                                                  |                                              |
| Arrangement of electrical connectors / for main current circuit                              | Main connection top front/bottom double hole |
| Type of electrical connection / for main current circuit                                     | busbar connection                            |
| Mechanical Design                                                                            |                                              |
| Height                                                                                       | 507 mm                                       |
| Width                                                                                        | 460 mm                                       |
| Depth                                                                                        | 369 mm                                       |
| Mounting type                                                                                | fixed mounting                               |

## Environmental conditions

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                                                                             | Shipping Approval                                                                          |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <br>CCC | <br>VDE | <br>EG-Konf. | <br>ABS |

[Special Test Certificate](#)

[Miscellaneous](#)

## Shipping Approval

other



[CCS / China Classification Society](#)

[Environmental Confirmations](#)

## other

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

## Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1210-4BB34-4AN2-Z C22+F31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1210-4BB34-4AN2-Z C22+F31>

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

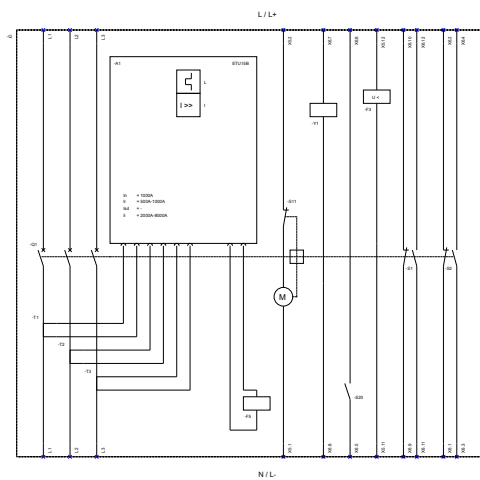
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1210-4BB34-4AN2-Z C22+F31](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1210-4BB34-4AN2-Z C22+F31)

**CAX-Online-Generator**

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

**Tender specifications**

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



1. (Long Time Delay / Überlastschutz) 2. (Under-voltage / Unterspannungsschutz, unterbrechbar)  
 S11 (Internal motor stop button switch, if spring is released / Interne Motorschaltknopfhalter, wenn Feder gespannt) F3 (Under-voltage release / Unterspannungsfreigabe)  
 S3 (Stop button for stop and / Ausbremsungstaste) S21 (Stop button switch / Stillhalteknopf) S33 (Ready to start signaling switch / Einsatzbereitschaftsschaltknopf)  
 S4 (Closing coil / Einschaltmagnet)

last modified:

06/29/2019