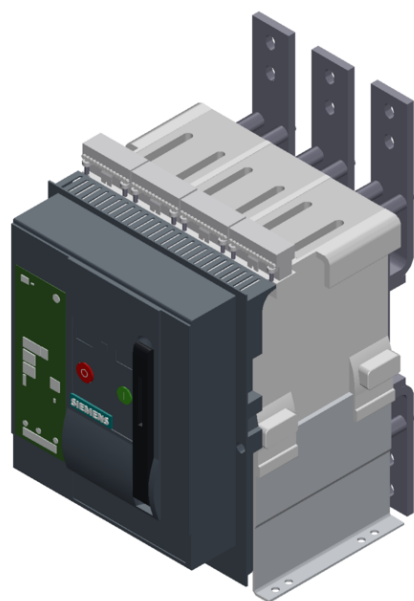


fixed-mounted circuit breaker 3-pole, size I, IEC In=1000A to 690V, AC50/60Hz Icu=55kA at 500V frnt.conn. top/bot. dual-hole  
Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in  
Motorized/manual operating mechanism with spring charging motor  
AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC C22= Ready indicator



| Model                             |                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------|
| Product brand name                | SENTRON                                                                     |
| Product designation               | ACB                                                                         |
| 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                                                                                                                                                                                                                                                      | 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                                                        |
| Operating voltage <ul style="list-style-type: none"> <li>at AC / at 50/60 Hz / rated value</li> </ul>                                                                                                                                                                                  | 690 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                                                                                                                                                                                            | 33.3 W                                                         |
| <b>Current</b>                                                                                                                                                                                                                                                                         |                                                                |
| Operating current / at 45 °C / rated value                                                                                                                                                                                                                                             | 1 000 A                                                        |
| Continuous current / rated value                                                                                                                                                                                                                                                       | 1 000 A                                                        |
| Adjustable pick-up value current <ul style="list-style-type: none"> <li>of the current-dependent overload release / Full-scale value</li> <li>of instantaneous short-circuit trip unit / initial value</li> <li>of instantaneous short-circuit trip unit / Full-scale value</li> </ul> | 1 000 A<br>20 000 A<br>20 000 A                                |
| <b>Main circuit</b>                                                                                                                                                                                                                                                                    |                                                                |
| Operating frequency <ul style="list-style-type: none"> <li>1 / rated value</li> <li>2 / rated value</li> </ul>                                                                                                                                                                         | 50 Hz<br>60 Hz                                                 |
| Operating current <ul style="list-style-type: none"> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> </ul>                             | 1 000 A<br>1 000 A<br>1 000 A<br>1 000 A<br>1 000 A<br>1 000 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 | 400 A                                        |
| <b>Product details</b>                                                                       |                                              |
| Product component                                                                            |                                              |
| • Trip indicator                                                                             | Yes                                          |
| • Voltage trigger                                                                            | No                                           |
| • undervoltage release                                                                       | Yes                                          |
| Product extension / optional / motor drive                                                   | No                                           |
| <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>                                                                           |                                              |
| 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                            |
| <b>Mechanical Design</b>                                                                     |                                              |
| Height                                                                                       | 541 mm                                       |
| Width                                                                                        | 320 mm                                       |
| Depth                                                                                        | 369 mm                                       |
| Mounting type                                                                                | fixed mounting                               |
| <b>Environmental conditions</b>                                                              |                                              |

|                                        |        |
|----------------------------------------|--------|
| Ambient temperature / during operation |        |
| • minimum                              | -20 °C |
| • maximum                              | 70 °C  |
| Ambient temperature / during storage   |        |
| • minimum                              | -40 °C |
| • maximum                              | 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

**CB**

CB



VDE



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

## Shipping Approval



ABS



BUREAU  
VERITAS



LRS



PRS



RMRS

[CCS / China Classification Society](#)

## other

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2CB34-4AN2-Z C22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2CB34-4AN2-Z C22>

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

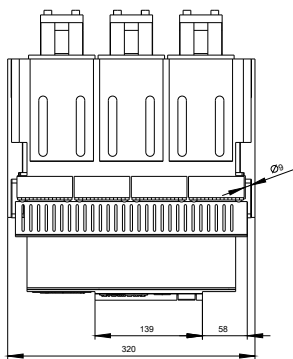
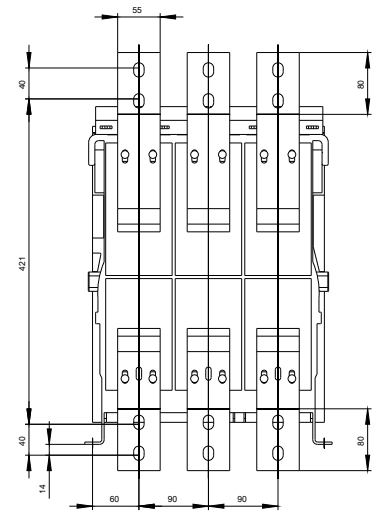
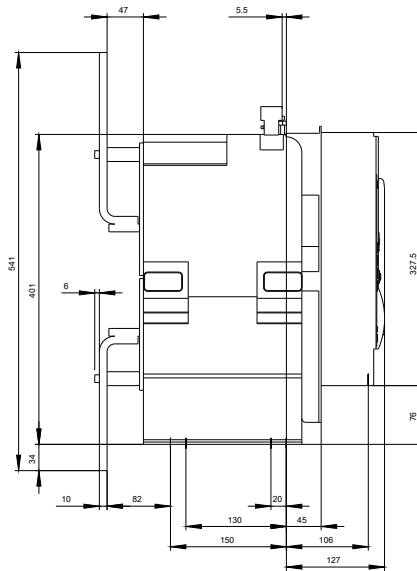
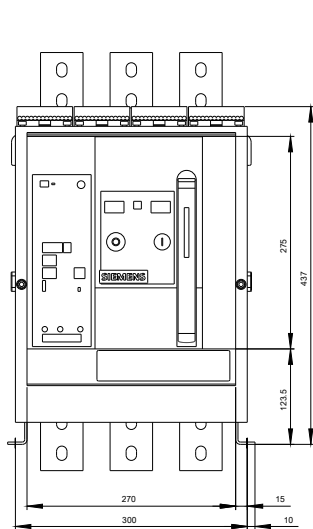
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1110-2CB34-4AN2-Z C22](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2CB34-4AN2-Z C22)

### CAX-Online-Generator

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

### Tender specifications

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





last modified:

05/04/2020