

fixed-mounted circuit breaker 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=66kA at 500V frnt.conn. top/bot. dual-hole  
Overcurrent release ETU 15 LI protection adjustable 0.5-1 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 K07= Tripped signaling contact, 1 CO not possible with option F02



| 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                                                                                                                                                                                                                                                      | ETU15B                                                         |
| <b>General technical data</b>                                                                                                                                                                                                                                                          |                                                                |
| number of poles                                                                                                                                                                                                                                                                        | 3                                                              |
| size of the circuit-breaker                                                                                                                                                                                                                                                            | 2                                                              |
| 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                                                           |
| protection function of the overcurrent release                                                                                                                                                                                                                                         | LI                                                             |
| <b>Dissipation</b>                                                                                                                                                                                                                                                                     |                                                                |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole                                                                                                                                                                                            | 90 W                                                           |
| <b>Current</b>                                                                                                                                                                                                                                                                         |                                                                |
| continuous current / rated value                                                                                                                                                                                                                                                       | 2 500 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> | 2 500 A<br>5 000 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>                             | 2 500 A<br>2 500 A<br>2 500 A<br>2 500 A<br>2 500 A<br>2 280 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                                                                          | system protection                            |
| <b>Adjustable parameters</b>                                                                 |                                              |
| adjustable pick-up value current / of the current-dependent overload release / initial value | 1 250 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                                                                    | No                                           |
| <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                                                                     | 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 top front/bottom double hole |
| type of electrical connection / for main current circuit                                     | busbar connection                            |
| <b>Mechanical Design</b>                                                                     |                                              |
| height                                                                                       | 512 mm                                       |
| width                                                                                        | 460 mm                                       |
| depth                                                                                        | 379 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

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| General Product Approval                                                                 | Declaration of Conformity                                                                | Test Certificates                                                                             | Shipping Approval                                                                                                                                                       |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>CCC | <br>VDE | <br>EG-Konf. | <a href="#">Miscellaneous</a><br><a href="#">Special Test Certificate</a><br><br>ABS |

| Shipping Approval                                                                                                                                                                                                                                                                             | other                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <br>BUREAU VERITAS<br><br>LRS<br><br>RMRS | <a href="#">CCS / China Classification Society</a><br><a href="#">Environmental Confirmations</a><br><a href="#">Manufacturer Declaration</a> |

| other                                                         |
|---------------------------------------------------------------|
| <a href="#">Confirmation</a><br><a href="#">Miscellaneous</a> |

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2BB34-4AN2-Z C22+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2BB34-4AN2-Z C22+K07>

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

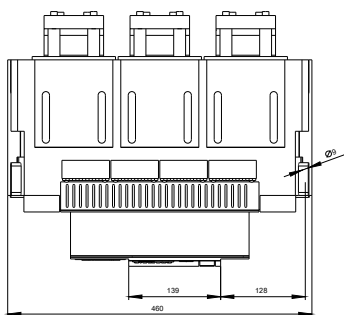
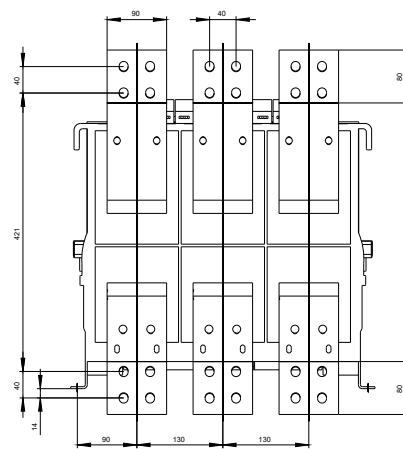
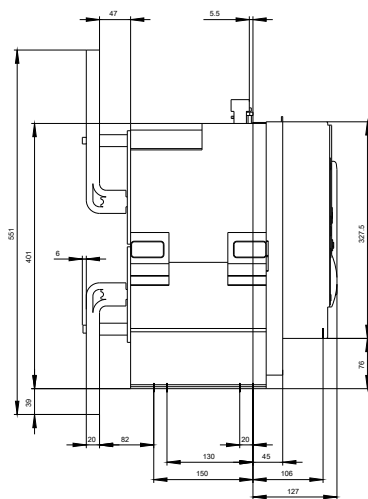
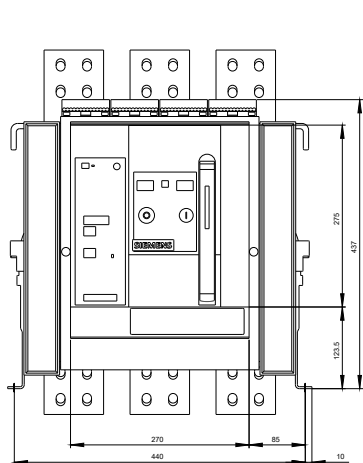
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1225-2BB34-4AN2-Z C22+K07](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2BB34-4AN2-Z C22+K07)

### CAX-Online-Generator

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

### Tender specifications

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





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