

fixed-mounted circuit breaker 3-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal Overcurrent release ETU 15 LI protection adjustable 0.5-1 in Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 110-127 V AC, 110-125 V DC 4NO+4NC

| 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                                            | ETU15B                                                                      |
| 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 class IP / on the front                                           | IP20                                                                        |
| protection function of the overcurrent release                               | LI                                                                          |
| Dissipation                                                                  |                                                                             |
| power loss [W]                                                               |                                                                             |
| • for rated value of the current / at AC / in hot operating state / per pole | 35 W                                                                        |
| • maximum                                                                    | 105 W                                                                       |
| Current                                                                      |                                                                             |
| operational current                                                          |                                                                             |
| • at 40 °C / rated value                                                     | 1 250 A                                                                     |
| • at 45 °C / rated value                                                     | 1 250 A                                                                     |
| • at 50 °C / rated value                                                     | 1 250 A                                                                     |
| • at 55 °C / rated value                                                     | 1 250 A                                                                     |
| • at 60 °C / rated value                                                     | 1 250 A                                                                     |
| • at 65 °C / rated value                                                     | 1 250 A                                                                     |
| • at 70 °C / rated value                                                     | 1 210 A                                                                     |
| continuous current / rated value / maximum                                   | 1 250 A                                                                     |
| continuous current / rated value                                             | 1 250 A                                                                     |
| adjustable current response value current                                    |                                                                             |
| • of the current-dependent overload release / full-scale value               | 1 250 A                                                                     |
| • of instantaneous short-circuit trip unit / minimum                         | 2 500 A                                                                     |
| • of instantaneous short-circuit trip unit / maximum                         | 10 000 A                                                                    |
| Main circuit                                                                 |                                                                             |
| operating frequency                                                          |                                                                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                          |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------|----------------------------------|
| <ul style="list-style-type: none"> <li>• 1 / rated value</li> <li>• 2 / rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                  | 50 Hz                                |                          |                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 60 Hz                                |                          |                                  |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                          |                                  |
| number of NC contacts / for auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                    |                          |                                  |
| number of NO contacts / for auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                    |                          |                                  |
| <b>Suitability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      |                          |                                  |
| suitability for use                                                                                                                                                                                                                                                                                                                                                                                                                                             | system protection                    |                          |                                  |
| <b>Adjustable parameters</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                          |                                  |
| adjustable current response value current / of the current-dependent overload release / initial value                                                                                                                                                                                                                                                                                                                                                           | 625 A                                |                          |                                  |
| <b>Product details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                          |                                  |
| product component                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• trip indicator</li> <li>• voltage trigger</li> <li>• undervoltage release</li> </ul>                                                                                                                                                                                                                                                                                                                                   | Yes<br>No<br>Yes                     |                          |                                  |
| design of the auxiliary switch                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 NO + 4 NC                          |                          |                                  |
| product extension / optional / motor drive                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                   |                          |                                  |
| <b>Product function</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                          |                                  |
| product function                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• grounding protection</li> <li>• phase failure detection</li> </ul>                                                                                                                                                                                                                                                                                                                                                     | No<br>No                             |                          |                                  |
| <b>Display and operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                          |                                  |
| display version                                                                                                                                                                                                                                                                                                                                                                                                                                                 | without display                      |                          |                                  |
| <b>Short circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |                          |                                  |
| breaking capacity operating short-circuit current (Ics)                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>                                                                                                                                                                                                                                                                                                                  | 55 kA<br>55 kA<br>42 kA              |                          |                                  |
| breaking capacity maximum short-circuit current (Icu)                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>                                                                                                                                                                                                                                                                                                                  | 55 kA<br>55 kA<br>42 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                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 439.5 mm                             |                          |                                  |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 320 mm                               |                          |                                  |
| depth                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 337 mm                               |                          |                                  |
| fastening method                                                                                                                                                                                                                                                                                                                                                                                                                                                | fixed mounting                       |                          |                                  |
| <b>Environmental conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                          |                                  |
| ambient temperature / during operation                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                  | -20 °C<br>70 °C                      |                          |                                  |
| ambient temperature / during storage                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |                          |                                  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                  | -40 °C<br>70 °C                      |                          |                                  |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      | <b>EMC</b>               | <b>Declaration of Conformity</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                          | <b>Test Certificates</b>         |
| <div>     <div> <a href="#">UK Declaration of Conformity</a> <a href="#">Special Test Certificate</a> </div> </div> |                                      |                          |                                  |
| <b>Test Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      | <b>Marine / Shipping</b> |                                  |

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Dangerous Good

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#### Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2BB32-5AM4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2BB32-5AM4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1112-2BB32-5AM4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2BB32-5AM4)

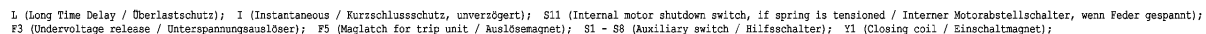
CAX-Online-Generator

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

Tender specifications

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





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