

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=800A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS 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                                            | ETU45B                                                                      |
| General technical data                                                       |                                                                             |
| number of poles                                                              | 3                                                                           |
| size of the circuit-breaker                                                  | 2                                                                           |
| 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                               | LSIN                                                                        |
| Dissipation                                                                  |                                                                             |
| power loss [W]                                                               |                                                                             |
| • for rated value of the current / at AC / in hot operating state / per pole | 28.3 W                                                                      |
| • maximum                                                                    | 85 W                                                                        |
| Current                                                                      |                                                                             |
| operational current                                                          |                                                                             |
| • at 40 °C / rated value                                                     | 800 A                                                                       |
| • at 45 °C / rated value                                                     | 800 A                                                                       |
| • at 50 °C / rated value                                                     | 800 A                                                                       |
| • at 55 °C / rated value                                                     | 800 A                                                                       |
| • at 60 °C / rated value                                                     | 800 A                                                                       |
| • at 65 °C / rated value                                                     | 800 A                                                                       |
| • at 70 °C / rated value                                                     | 800 A                                                                       |
| continuous current / rated value / maximum                                   | 800 A                                                                       |
| continuous current / rated value                                             | 800 A                                                                       |
| adjustable current response value current                                    |                                                                             |
| • of the current-dependent overload release / full-scale value               | 800 A                                                                       |
| • of instantaneous short-circuit trip unit / minimum                         | 1 200 A                                                                     |
| • of instantaneous short-circuit trip unit / maximum                         | 9 600 A                                                                     |
| Main circuit                                                                 |                                                                             |
| operating frequency                                                          |                                                                             |
| • 1 / rated value                                                            | 50 Hz                                                                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| • 2 / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Plant / motor protection             |
| <b>Adjustable parameters</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |
| adjustable current response value current                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |
| • of the L-trip / with I <sub>4t</sub> characteristic / initial value                                                                                                                                                                                                                                                                                                                                                                                                | 320 A                                |
| • of the L-trip / with I <sub>4t</sub> characteristic / full-scale value                                                                                                                                                                                                                                                                                                                                                                                             | 800 A                                |
| adjustable current response value current / of the current-dependent overload release / initial value                                                                                                                                                                                                                                                                                                                                                                | 320 A                                |
| <b>Product details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| product component                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |
| • trip indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                  |
| • voltage trigger                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No                                   |
| • undervoltage release                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                  |
| design of the auxiliary switch                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 NO + 4 NC                          |
| product extension / optional / motor drive                                                                                                                                                                                                                                                                                                                                                                                                                           | No                                   |
| <b>Product function</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      |
| product function                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |
| • grounding protection                                                                                                                                                                                                                                                                                                                                                                                                                                               | No                                   |
| • phase failure detection                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                  |
| <b>Display and operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |
| display version                                                                                                                                                                                                                                                                                                                                                                                                                                                      | without display                      |
| <b>Short circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |
| operating short-circuit current breaking capacity (I <sub>cs</sub> )                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |
| • at 415 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80 kA                                |
| • at 500 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80 kA                                |
| • at 690 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 75 kA                                |
| maximum short-circuit current breaking capacity (I <sub>cu</sub> )                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |
| • at 415 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80 kA                                |
| • at 500 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80 kA                                |
| • at 690 V / rated value                                                                                                                                                                                                                                                                                                                                                                                                                                             | 75 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                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 465.5 mm                             |
| width                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 460 mm                               |
| depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 456 mm                               |
| fastening method                                                                                                                                                                                                                                                                                                                                                                                                                                                     | drawer unit                          |
| <b>Environmental conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |
| ambient temperature / during operation                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| • minimum                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -20 °C                               |
| • maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 70 °C                                |
| ambient temperature / during storage                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |
| • minimum                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40 °C                               |
| • maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 70 °C                                |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |
| EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |
| Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |
|  <a href="#">Confirmation</a>     |                                      |
| <b>Test Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |
| <b>Marine / Shipping</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |

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## Marine / Shipping

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[Confirmation](#)

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## Dangerous Good

## Environment

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## Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1208-3EB36-5AM4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1208-3EB36-5AM4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1208-3EB36-5AM4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1208-3EB36-5AM4)

**CAX-Online-Generator**

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

**Tender specifications**

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





