

Draw-out circuit breaker Without guide frame 3-pole, Size 3, IEC In=4000 A up to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Rear horizontal connection Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with cubicle bus and Ground fault protection Opt.: Comm./measuring func./ZSS 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 With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 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                                                  | 3                                                                           |
| 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                               | LSING                                                                       |
| Dissipation                                                                  |                                                                             |
| power loss [W]                                                               |                                                                             |
| • for rated value of the current / at AC / in hot operating state / per pole | 270 W                                                                       |
| • maximum                                                                    | 810 W                                                                       |
| Current                                                                      |                                                                             |
| operational current                                                          |                                                                             |
| • at 40 °C / rated value                                                     | 4 000 A                                                                     |
| • at 45 °C / rated value                                                     | 4 000 A                                                                     |
| • at 50 °C / rated value                                                     | 4 000 A                                                                     |
| • at 55 °C / rated value                                                     | 4 000 A                                                                     |
| • at 60 °C / rated value                                                     | 4 000 A                                                                     |
| • at 65 °C / rated value                                                     | 4 000 A                                                                     |
| • at 70 °C / rated value                                                     | 4 000 A                                                                     |
| continuous current / rated value / maximum                                   | 4 000 A                                                                     |
| continuous current / rated value                                             | 4 000 A                                                                     |
| adjustable current response value current                                    |                                                                             |
| • of instantaneous short-circuit trip unit / minimum                         | 6 000 A                                                                     |
| • of instantaneous short-circuit trip unit / maximum                         | 48 000 A                                                                    |
| Main circuit                                                                 |                                                                             |
| operating frequency                                                          |                                                                             |

|                                                                                                                                                                                                                                                                                                                                                                                             |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <ul style="list-style-type: none"> <li>• 1 / rated value</li> <li>• 2 / rated value</li> </ul>                                                                                                                                                                                                                                                                                              | 50 Hz<br>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>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>Yes<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>                                                                                                                                                                                                                                                                | Yes<br>Yes                |
| <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>                                                                                                                                                                                      | 100 kA<br>100 kA<br>85 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>                                                                                                                                                                                        | 100 kA<br>100 kA<br>85 kA |
| <b>Connections</b>                                                                                                                                                                                                                                                                                                                                                                          |                           |
| arrangement of electrical connectors / for main current circuit                                                                                                                                                                                                                                                                                                                             | without guide frame       |
| type of electrical connection / for main current circuit                                                                                                                                                                                                                                                                                                                                    | Blade contacts            |
| <b>Mechanical Design</b>                                                                                                                                                                                                                                                                                                                                                                    |                           |
| height                                                                                                                                                                                                                                                                                                                                                                                      | 410 mm                    |
| width                                                                                                                                                                                                                                                                                                                                                                                       | 694 mm                    |
| depth                                                                                                                                                                                                                                                                                                                                                                                       | 337 mm                    |
| fastening method                                                                                                                                                                                                                                                                                                                                                                            | drawer unit               |
| <b>Environmental conditions</b>                                                                                                                                                                                                                                                                                                                                                             |                           |
| ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                       | -40 °C<br>70 °C           |
| ambient temperature / during storage <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                         | -40 °C<br>80 °C           |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                             |                           |
| <div>  <a href="#">Confirmation</a>    </div> |                           |
| <div> <div>EMC</div> <div>Declaration of Conformity</div> <div> <a href="#">UK Declaration of Conformity</a> </div> </div>                                                                                                                                                                                                                                                                  |                           |
| <b>Test Certificates</b>                                                                                                                                                                                                                                                                                                                                                                    |                           |
| <b>Marine / Shipping</b>                                                                                                                                                                                                                                                                                                                                                                    |                           |

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other



[CCS / China Classification Society](#)



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

other

Dangerous Good

[Miscellaneous](#)

[Transport Information](#)

## Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4EG65-4GS4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4EG65-4GS4>

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

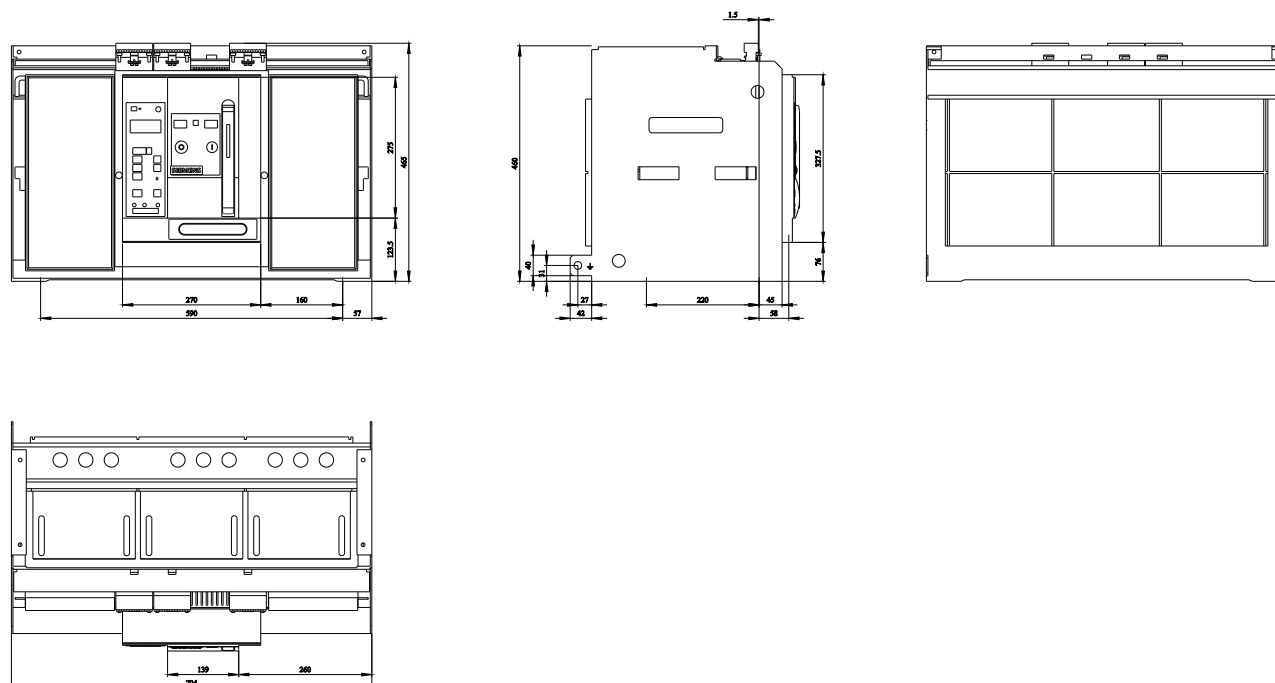
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1340-4EG65-4GS4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4EG65-4GS4)

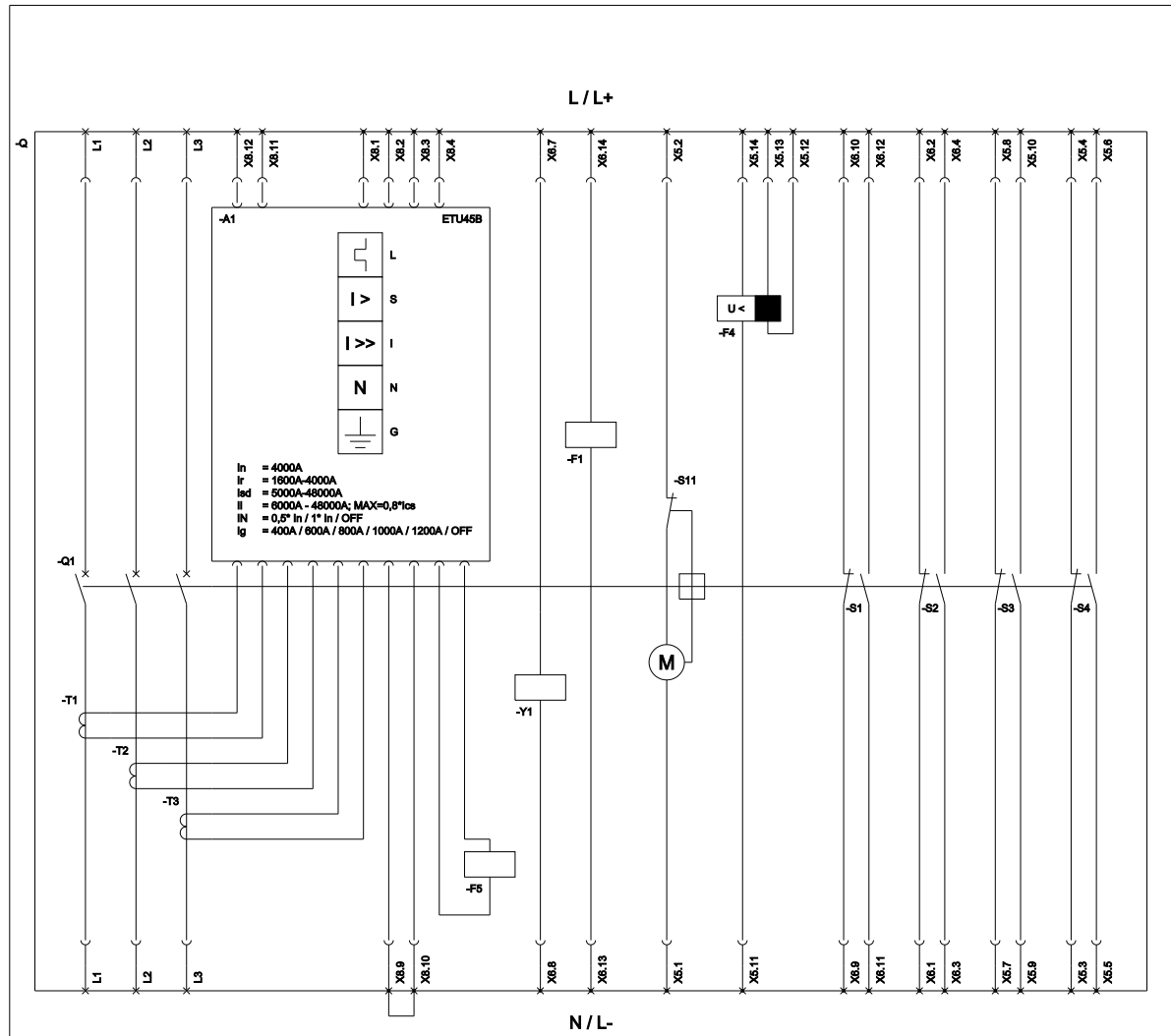
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutrallebensschutz);  
 G (Ground Fault Protection / Erdschussschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorschalterschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser);  
 F4 (Undervoltage release time delayed / Unterspannungsauslöser verzögert); F5 (Maglatch for trip unit / Auslöseverriegelung); S1 - S8 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

5/9/2022

