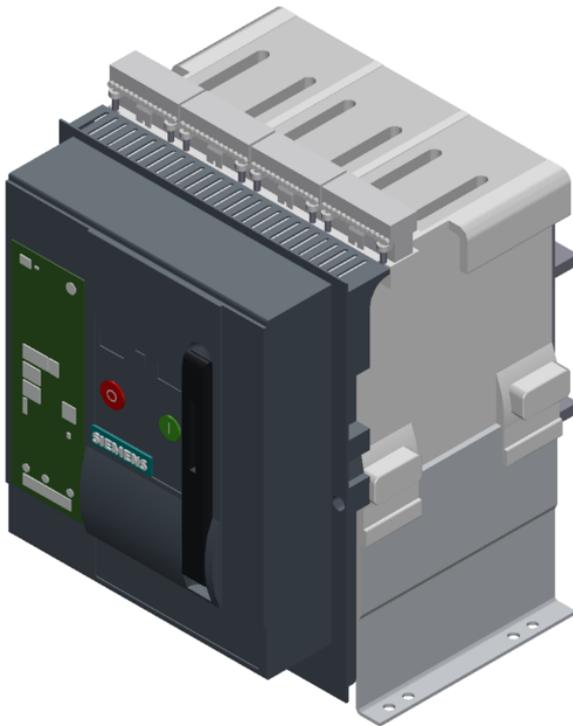


fixed-mounted circuit breaker 3-pole, size I, IEC  
 In=1000A to 690V, AC50/60Hz Icu=55kA at 500V rear  
 connection horizontal Overcurrent release ETU 25 LSI  
 protection adjustable 0.4-1 in With manual operating  
 mechanism with storage with mechanical request With  
 1st auxiliary release Shunt release "F", F1 50/60 Hz 230  
 V AC/220 V DC, 100% on-load factor without 2nd  
 auxiliary release 2NO+2NC T40= Door sealing frame



| Model                             |  |             |
|-----------------------------------|--|-------------|
| Product brand name                |  | SENTRON     |
| Product designation               |  | ACB         |
| Design of the product             |  | IEC 60947-2 |
| Design of the auxiliary switch    |  | 2 NO + 2 NC |
| Design of the operating mechanism |  | Pushbutton  |

|   |  |  |
|---|--|--|
| Type of the driving mechanism               |  | Manual operating mechanism with mechanical closing |
| Type of the driving mechanism / motor drive |  | No   |
| Design of the overcurrent release           |  | ETU25B   |

#### General technical data

|  |  |        |
|--|--|--------|
| Number of poles                                      |  | 3      |
| Size of the circuit-breaker                          |  | 1      |
| Electrical endurance (switching cycles) / typical    |  | 20 000 |
| Usage category                                       |  | B      |
| circuit-breaker / Design                             |  | 3WL1   |
| Mechanical service life (switching cycles) / typical |  | 20 000 |

#### Voltage

|                                |   |       |
|--------------------------------|---|-------|
| Rated insulation voltage $U_i$ | V | 1 000 |
|--------------------------------|---|-------|

#### Protection class

|  |  |      |
|--|--|------|
| Protection class IP                            |  | IP41 |
| Protective function of the overcurrent release |  | LSI  |

#### Dissipation

|   |   |      |
|---|---|------|
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | W | 33.3 |
|---|---|------|

#### Electricity

|  |    |        |
|--|----|--------|
| Operating current / at 45 °C / rated value                     | A  | 1 000  |
| Continuous current / rated value                               | A  | 1 000  |
| Adjustable pick-up value current                               |    |        |
| • of the current-dependent overload release / Full-scale value | A  | 1 000  |
| • of instantaneous short-circuit trip unit / initial value     | A  | 20 000 |
| • of instantaneous short-circuit trip unit / Full-scale value  | A  | 20 000 |
| Short-time current resistance ( $I_{cw}$ )                     |    |        |
| • limited to 0.5 s / rated value                               | kA | 55     |
| • limited to 1 s / rated value                                 | kA | 42     |
| • limited to 2 s / rated value                                 | kA | 29.5   |
| • limited to 3 s / rated value                                 | kA | 24     |

#### Main circuit

|                                     |    |     |
|-------------------------------------|----|-----|
| Operating frequency                 |    |     |
| • 1 / rated value                   | Hz | 50  |
| • 2 / rated value                   | Hz | 60  |
| Operating voltage                   |    |     |
| • at AC / at 50/60 Hz / rated value | V  | 690 |
| Operating current                   |    |     |

|                          |   |       |
|--------------------------|---|-------|
| • at 40 °C / rated value | A | 1 000 |
| • at 50 °C / rated value | A | 1 000 |
| • at 55 °C / rated value | A | 1 000 |
| • at 60 °C / rated value | A | 1 000 |
| • at 65 °C / rated value | A | 1 000 |
| • at 70 °C / rated value | A | 1 000 |

#### Auxiliary circuit

|  |  |   |
|--|--|---|
| Number of NC contacts / for auxiliary contacts |  | 2 |
| Number of NO contacts / for auxiliary contacts |  | 2 |

#### Suitability

|                     |  |                          |
|---------------------|--|--------------------------|
| Suitability for use |  | Plant / motor protection |
|---------------------|--|--------------------------|

#### Adjustable parameters

|  |   |     |
|--|---|-----|
| Adjustable pick-up value current / of the current-dependent overload release / initial value | A | 400 |
|--|---|-----|

#### Product details

|  |  |     |
|--|--|-----|
| Product component                          |  |     |
| • Trip indicator                           |  | Yes |
| • Voltage trigger                          |  | Yes |
| • undervoltage release                     |  | No  |
| Product extension / optional / motor drive |  | Yes |

#### Product function

|                           |  |     |
|---------------------------|--|-----|
| Product function          |  |     |
| • Ground fault protection |  | No  |
| • Phase failure detection |  | Yes |

#### Display and operation

|                 |  |                 |
|-----------------|--|-----------------|
| Display version |  | without display |
|-----------------|--|-----------------|

#### Short circuit

|   |    |    |
|---|----|----|
| Operational short-circuit current breaking capacity (Ics) |    |    |
| • at 415 V / rated value                                  | kA | 55 |
| • at 500 V / rated value                                  | kA | 55 |
| • at 690 V / rated value                                  | kA | 42 |
| Maximum short-circuit current breaking capacity (Icu)     |    |    |
| • at 415 V / rated value                                  | kA | 55 |
| • at 500 V / rated value                                  | kA | 55 |
| • at 690 V / rated value                                  | kA | 42 |

#### Connections

|  |  |                   |
|--|--|-------------------|
| Type of electrical connection / for main current circuit |  | busbar connection |
|--|--|-------------------|

#### Mechanical Design

|               |    |                |
|---------------|----|----------------|
| Height        | mm | 439.5          |
| Width         | mm | 320            |
| Depth         | mm | 337            |
| Mounting type |    | fixed mounting |

### Environmental conditions

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

### Certificates

|  |  |   |
|--|--|---|
| Reference code   |  |   |
| • acc. to DIN EN 61346-2   |  | Q |
| • acc. to DIN EN 81346-2   |  | Q |
| Waste electronic equipment must not be disposed as unsorted municipal waste, e.g. household waste. For disposing the waste electronic equipment it is necessary to observe the current local national/international regulations. |  |   |
|   |  |   |

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

| Shipping Approval   |  |   |  |  |   |
|---|--|---|--|--|---|
| <br>BUREAU VERITAS | <br>DNV | <br>GL | <br>LRS | <br>PRS | <br>RMRS |

| other                                       |  |                               |
|---|--|-------------------------------|
| <a href="#">Environmental Confirmations</a> | <a href="#">Manufacturer Declaration</a> | <a href="#">Miscellaneous</a> |

### Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2CB32-1GA2-Z T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2CB32-1GA2-Z T40>

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

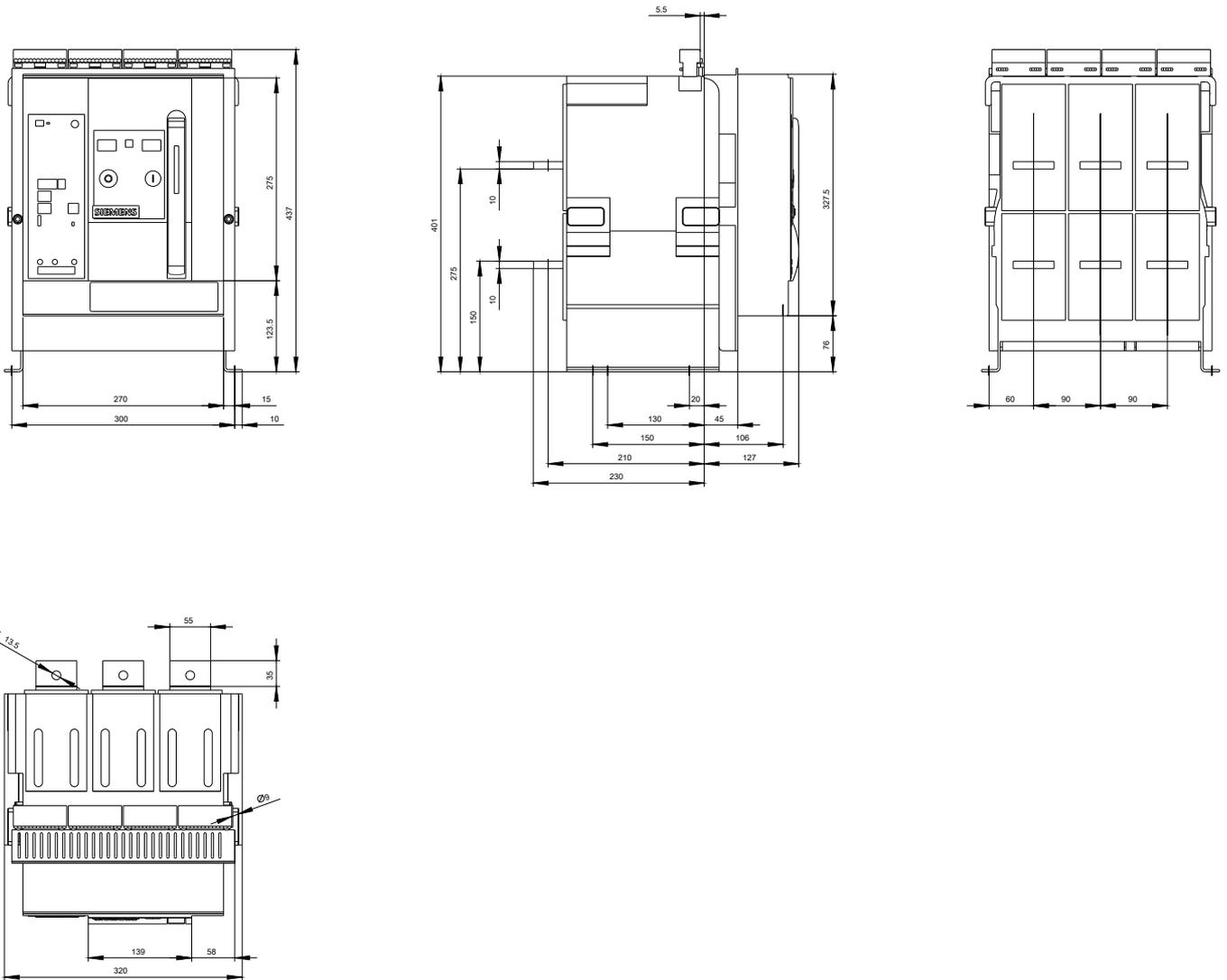
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1110-2CB32-1GA2-Z T40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2CB32-1GA2-Z T40)

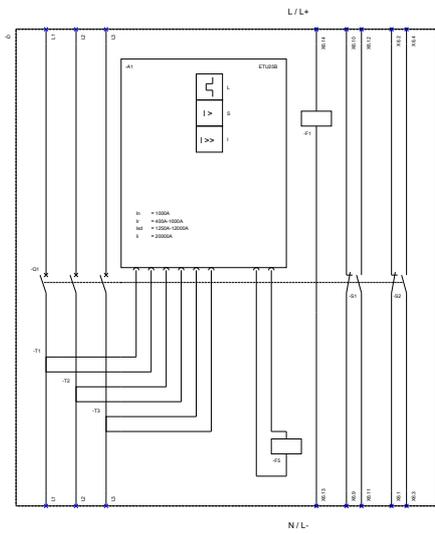
**CAX-Online-Generator**

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

**Tender specifications**

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitvolgert);  
 F (Unterstromschutz / Kurzschlusschutz, unverzögert); F1 (Hot auxiliary release / Erster Hilfsauslöser); F5 (Maglock for trip unit / Auslösemagnet);  
 S1 - S8 (Auxiliary switch / Hilfskontakt).

**last modified:**

02/01/2019