

Fixed-mounted circuit breaker 3-pole, Size 1, IEC In=1250 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection 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 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 without 2nd auxiliary release 4NO+4NC F40= Sealing disc for ETU25-76 for protection against unauthorized operation K07= Tripped signaling contact, 1 CO not possible with option F02 K13= Remote reset solenoid 220-240 V DC/250 V DC

| 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                                                                           | 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                                                      | LSIN                                                                        |
| Dissipation                                                                                           |                                                                             |
| power loss [W]                                                                                        |                                                                             |
| • for rated value of the current / at AC / in hot operating state / per pole                          | 35 W                                                                        |
| • maximum                                                                                             | 105 W                                                                       |
| Main circuit                                                                                          |                                                                             |
| operating frequency                                                                                   |                                                                             |
| • 1 / rated value                                                                                     | 50 Hz                                                                       |
| • 2 / rated value                                                                                     | 60 Hz                                                                       |
| Auxiliary circuit                                                                                     |                                                                             |
| number of NC contacts / for auxiliary contacts                                                        | 4                                                                           |
| number of NO contacts / for auxiliary contacts                                                        | 4                                                                           |
| Suitability                                                                                           |                                                                             |
| suitability for use                                                                                   | Plant / motor protection                                                    |
| Adjustable parameters                                                                                 |                                                                             |
| adjustable current response value current / of the L-trip / with I4t characteristic                   |                                                                             |
| • initial value                                                                                       | 500 A                                                                       |
| • full-scale value                                                                                    | 1 250 A                                                                     |
| adjustable current response value current / of the current-dependent overload release / initial value | 500 A                                                                       |
| Product details                                                                                       |                                                                             |
| product component                                                                                     |                                                                             |

|                                                                 |                                      |
|-----------------------------------------------------------------|--------------------------------------|
| • trip indicator                                                | Yes                                  |
| • voltage trigger                                               | Yes                                  |
| • undervoltage release                                          | No                                   |
| 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 (Ics)         |                                      |
| • at 415 V / rated value                                        | 55 kA                                |
| • at 500 V / rated value                                        | 55 kA                                |
| • at 690 V / rated value                                        | 42 kA                                |
| maximum short-circuit current breaking capacity (Icu)           |                                      |
| • at 415 V / rated value                                        | 55 kA                                |
| • at 500 V / rated value                                        | 55 kA                                |
| • at 690 V / rated value                                        | 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                          |                                      |
| • minimum                                                       | -40 °C                               |
| • maximum                                                       | 70 °C                                |
| ambient temperature / during storage                            |                                      |
| • minimum                                                       | -40 °C                               |
| • maximum                                                       | 80 °C                                |
| <b>Further information</b>                                      |                                      |

#### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2EB62-4GA4-Z F40+K07+K13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2EB62-4GA4-Z F40+K07+K13>

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

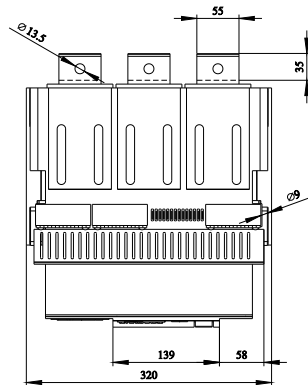
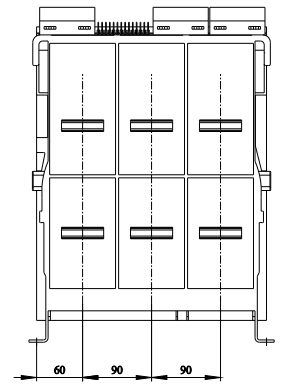
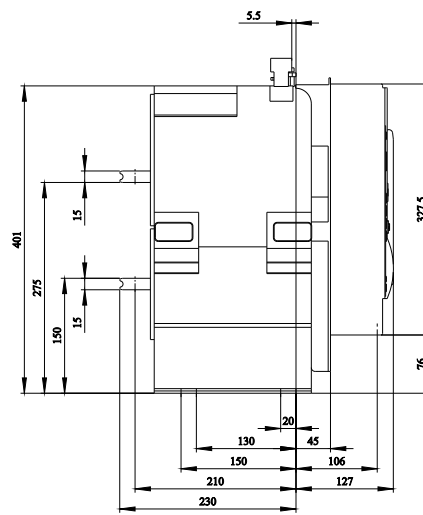
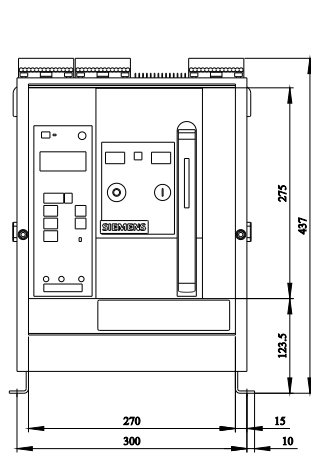
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1112-2EB62-4GA4-Z F40+K07+K13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2EB62-4GA4-Z F40+K07+K13)

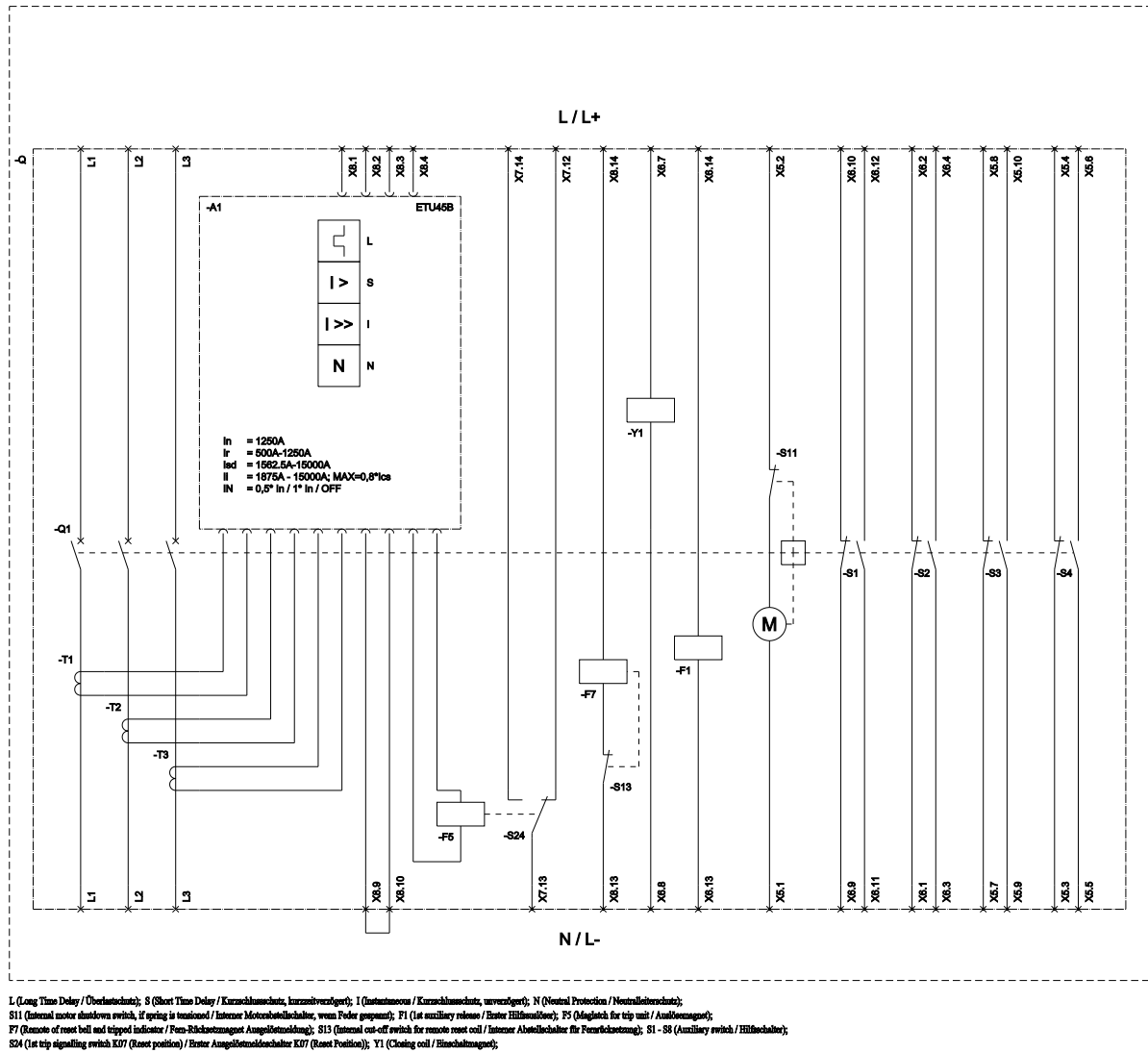
#### CAX-Online-Generator

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

#### Tender specifications

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





last modified:

4/4/2025 

