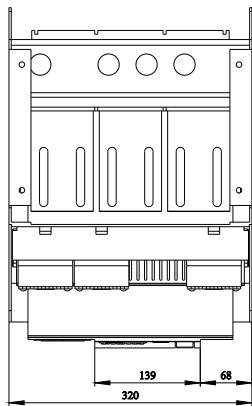
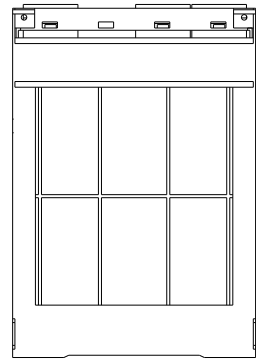
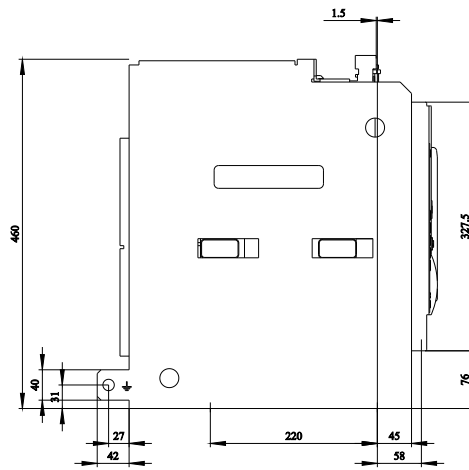
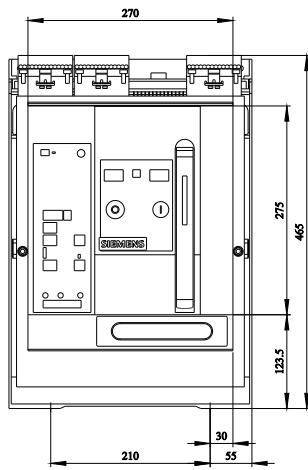
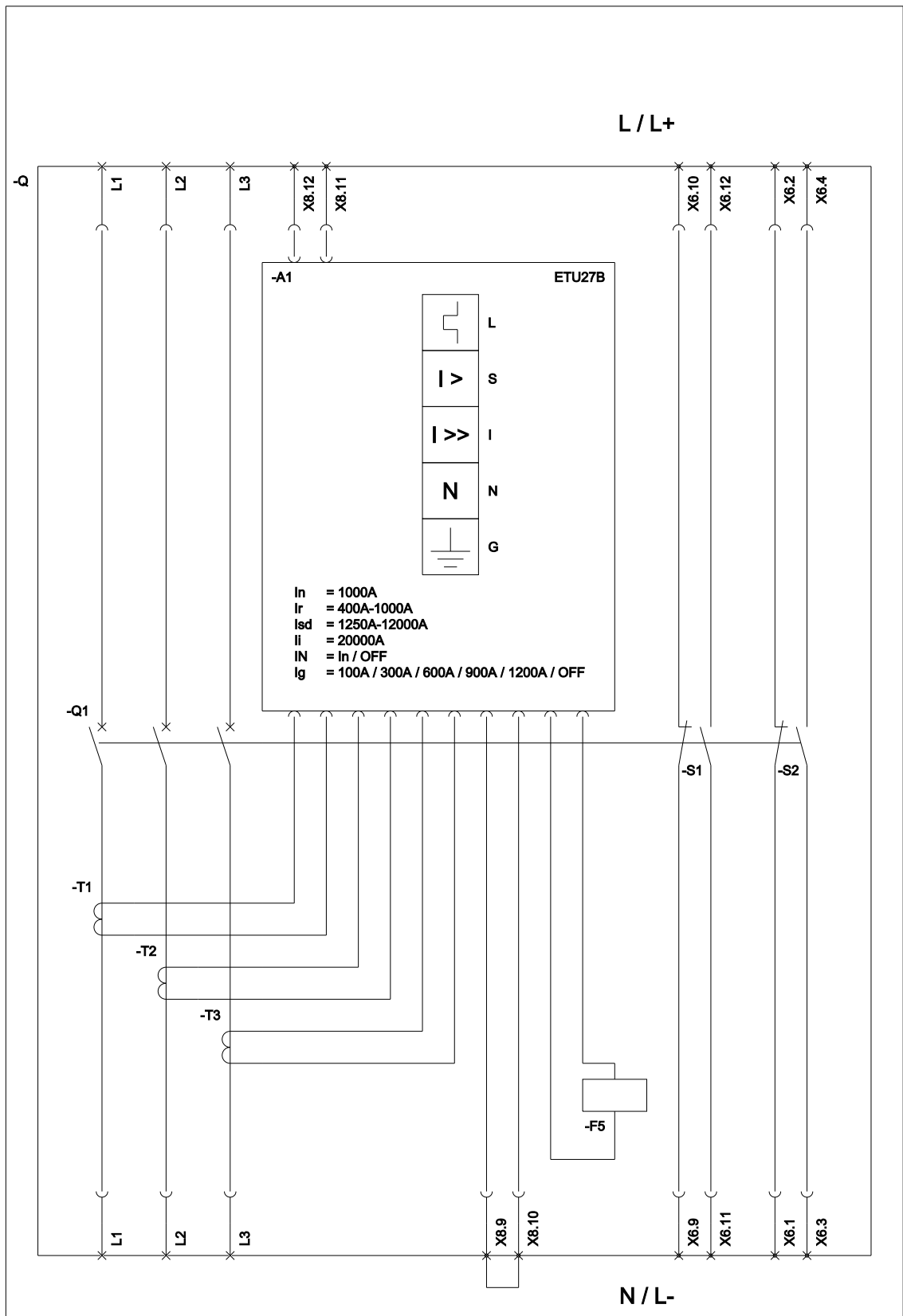


withdrawable circuit breaker without guide frame 3-pole, size I, IEC  
 $I_n=1000\text{A}$  to 690V, AC50/60Hz  $I_{cu}=55\text{kA}$  at 500V rear connection  
 horizontal Overcurrent release ETU 27 LSING protection adjustable 0.4-1  
 in Ground fault/N protection integrated With manual operating mechanism  
 with storage with mechanical request without 1st auxiliary release without  
 2nd auxiliary release 2NO+2NC F40= Sealing disc for ETU25-76 for  
 protection against unauthorized operation T40= Door sealing frame

| Model                                                                        |                                                    |
|------------------------------------------------------------------------------|----------------------------------------------------|
| product brand name                                                           | SETRON                                             |
| product designation                                                          | ACB                                                |
| design of the product                                                        | IEC 60947-2                                        |
| design of the actuating element                                              | 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                                            | ETU27B                                             |
| General technical data                                                       |                                                    |
| number of poles                                                              | 3                                                  |
| size of the circuit-breaker                                                  | 1                                                  |
| utilization category                                                         | B                                                  |
| circuit-breaker / Design                                                     | 3WL1                                               |
| Voltage                                                                      |                                                    |
| Rated insulation voltage $U_i$                                               | 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                                           | IP41                                               |
| 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 | 65 W                                               |
| • maximum                                                                    | 195 W                                              |
| Current                                                                      |                                                    |
| operational current                                                          |                                                    |
| • at 40 °C / rated value                                                     | 1 000 A                                            |
| • at 45 °C / rated value                                                     | 1 000 A                                            |
| • at 50 °C / rated value                                                     | 1 000 A                                            |
| • at 55 °C / rated value                                                     | 1 000 A                                            |
| • at 60 °C / rated value                                                     | 1 000 A                                            |
| • at 65 °C / rated value                                                     | 1 000 A                                            |
| • at 70 °C / rated value                                                     | 1 000 A                                            |
| continuous current / rated value / maximum                                   | 1 000 A                                            |
| continuous current / rated value                                             | 1 000 A                                            |
| adjustable current response value current                                    |                                                    |
| • of the current-dependent overload release / full-scale value               | 1 000 A                                            |
| • of instantaneous short-circuit trip unit / minimum                         | 20 000 A                                           |
| • of instantaneous short-circuit trip unit / maximum                         | 20 000 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                                                                                                                                                              | 2                        |
| number of NO contacts / for auxiliary contacts                                                                                                                                                              | 2                        |
| <b>Suitability</b>                                                                                                                                                                                          |                          |
| suitability for use                                                                                                                                                                                         | Plant / motor protection |
| <b>Adjustable parameters</b>                                                                                                                                                                                |                          |
| adjustable current response value current / of the current-dependent overload release / initial value                                                                                                       | 400 A                    |
| <b>Product details</b>                                                                                                                                                                                      |                          |
| product component                                                                                                                                                                                           |                          |
| • trip indicator                                                                                                                                                                                            | Yes                      |
| • voltage trigger                                                                                                                                                                                           | No                       |
| • undervoltage release                                                                                                                                                                                      | No                       |
| design of the auxiliary switch                                                                                                                                                                              | 2 NO + 2 NC              |
| product extension / optional / motor drive                                                                                                                                                                  | Yes                      |
| <b>Product function</b>                                                                                                                                                                                     |                          |
| product function                                                                                                                                                                                            |                          |
| • grounding protection                                                                                                                                                                                      | Yes                      |
| • phase failure detection                                                                                                                                                                                   | Yes                      |
| <b>Display and operation</b>                                                                                                                                                                                |                          |
| display version                                                                                                                                                                                             | without display          |
| <b>Short circuit</b>                                                                                                                                                                                        |                          |
| breaking capacity operating short-circuit current (Ics)                                                                                                                                                     |                          |
| • at 415 V / rated value                                                                                                                                                                                    | 55 kA                    |
| • at 500 V / rated value                                                                                                                                                                                    | 55 kA                    |
| • at 690 V / rated value                                                                                                                                                                                    | 42 kA                    |
| breaking capacity maximum short-circuit current (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                                                                                                                                             | without guide frame      |
| type of electrical connection / for main current circuit                                                                                                                                                    | Blade contacts           |
| <b>Mechanical Design</b>                                                                                                                                                                                    |                          |
| height                                                                                                                                                                                                      | 411.5 mm                 |
| width                                                                                                                                                                                                       | 311 mm                   |
| depth                                                                                                                                                                                                       | 337 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>Further information</b>                                                                                                                                                                                  |                          |
| <b>Industry Mall (Online ordering system)</b>                                                                                                                                                               |                          |
| <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2DG35-1AA2-Z F40+T40">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2DG35-1AA2-Z F40+T40</a> |                          |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b>                                                                                                                               |                          |
| <a href="https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2DG35-1AA2-Z F40+T40">https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2DG35-1AA2-Z F40+T40</a>                                   |                          |
| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b>                                                                                                      |                          |
| <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2DG35-1AA2-Z F40+T40">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2DG35-1AA2-Z F40+T40</a>                 |                          |
| <b>CAX-Online-Generator</b>                                                                                                                                                                                 |                          |
| <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                                                                                                                         |                          |
| <b>Tender specifications</b>                                                                                                                                                                                |                          |
| <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>                                                                                                                   |                          |





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);  
 I (Instantaneous / Kurzschlusschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz);  
 G (Ground Fault Protection / Erdschlusschutz); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);



last modified:

9/28/2022 