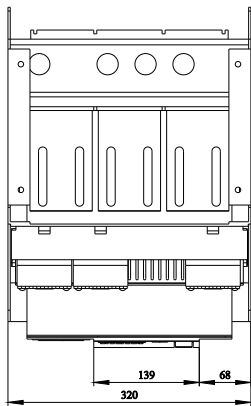
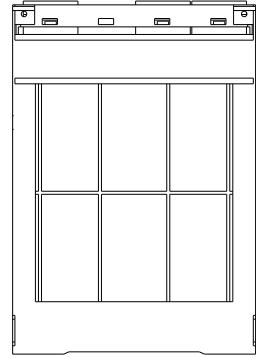
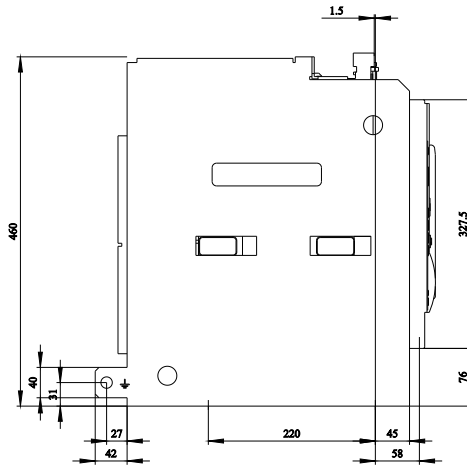
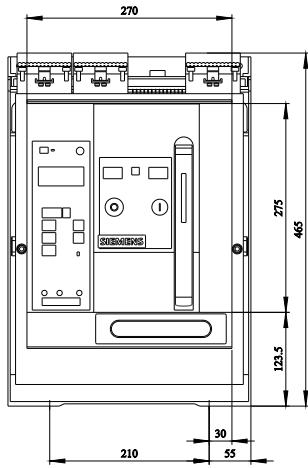
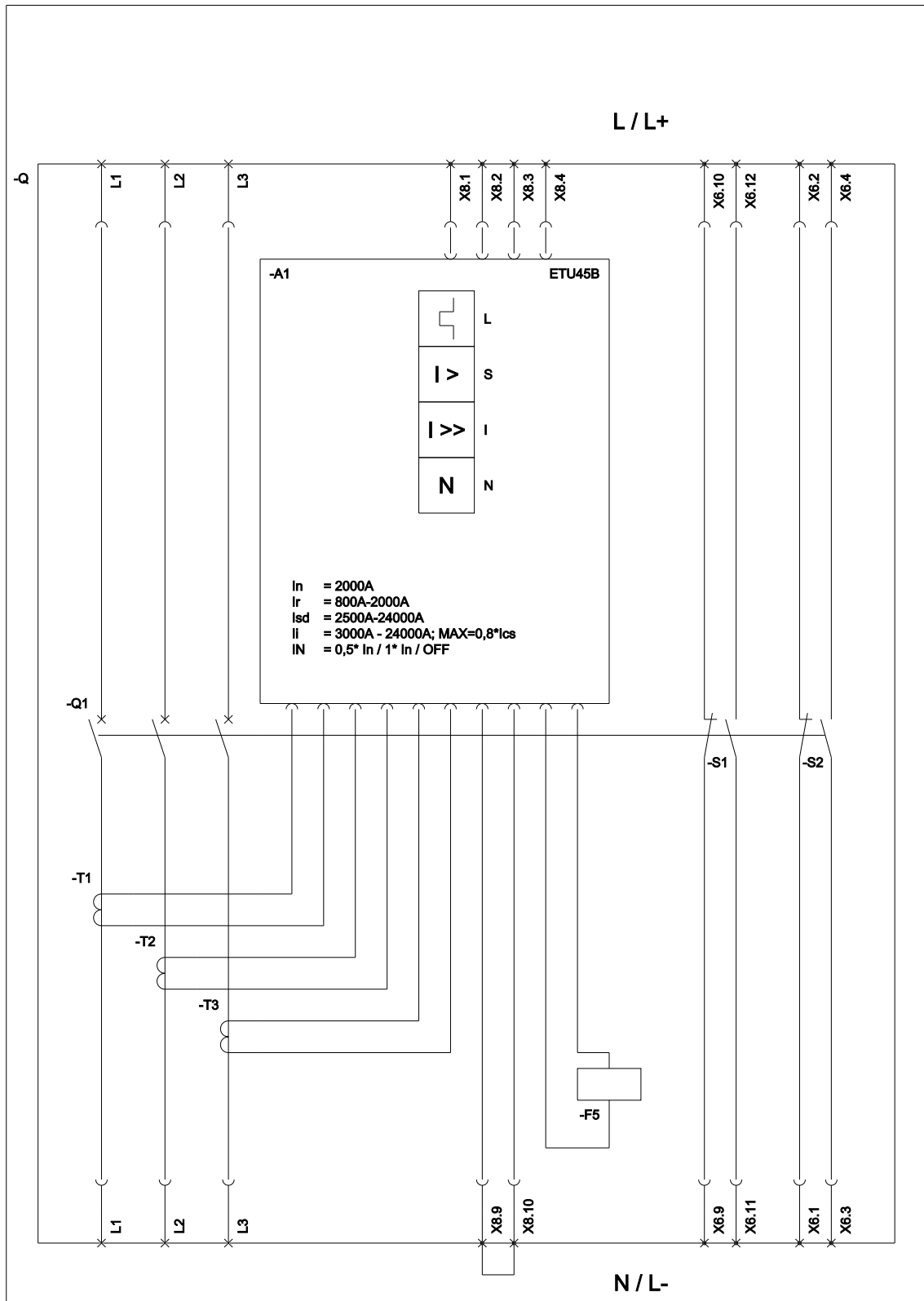


withdrawable circuit breaker without guide frame 3-pole, size I, IEC In=2000A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal Overcurrent release ETU 45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC

| 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 operating mechanism with mechanical closing |
| type of the driving mechanism / motor drive   | No   |
| 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                          | 146.7 W  |
| • maximum   | 440 W  |
| Main circuit  |  |
| operating frequency   |  |
| • 1 / rated value   | 50 Hz  |
| • 2 / rated value   | 60 Hz  |
| 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 current response value current / of the current-dependent overload release / initial value | 800 A  |
| Product details   |  |
| 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  |
| Product function  |  |

|  |                     |
|--|---------------------|
| 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  | 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>Information on the packaging</b><br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a><br><b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1120-2EB35-1AA2">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1120-2EB35-1AA2</a><br><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3WL1120-2EB35-1AA2">https://support.industry.siemens.com/cs/ww/en/ps/3WL1120-2EB35-1AA2</a><br><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1120-2EB35-1AA2">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1120-2EB35-1AA2</a><br><b>CAX-Online-Generator</b><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><b>Tender specifications</b><br><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); F5 (Maglatch for trip unit / Auslösemagnet);  
 S1 - S8 (Auxiliary switch / Hilfsschalter);



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last modified:

3/6/2020 