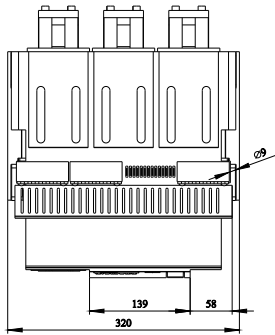
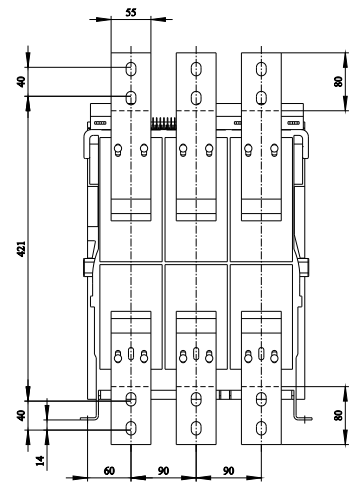
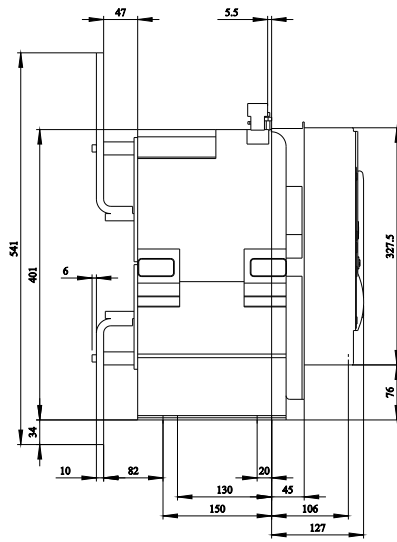
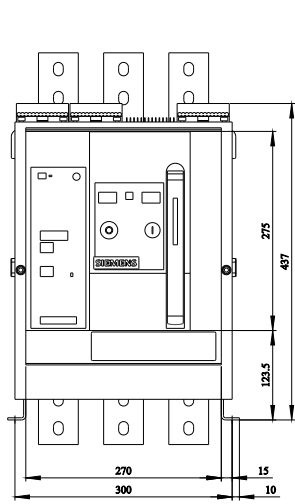
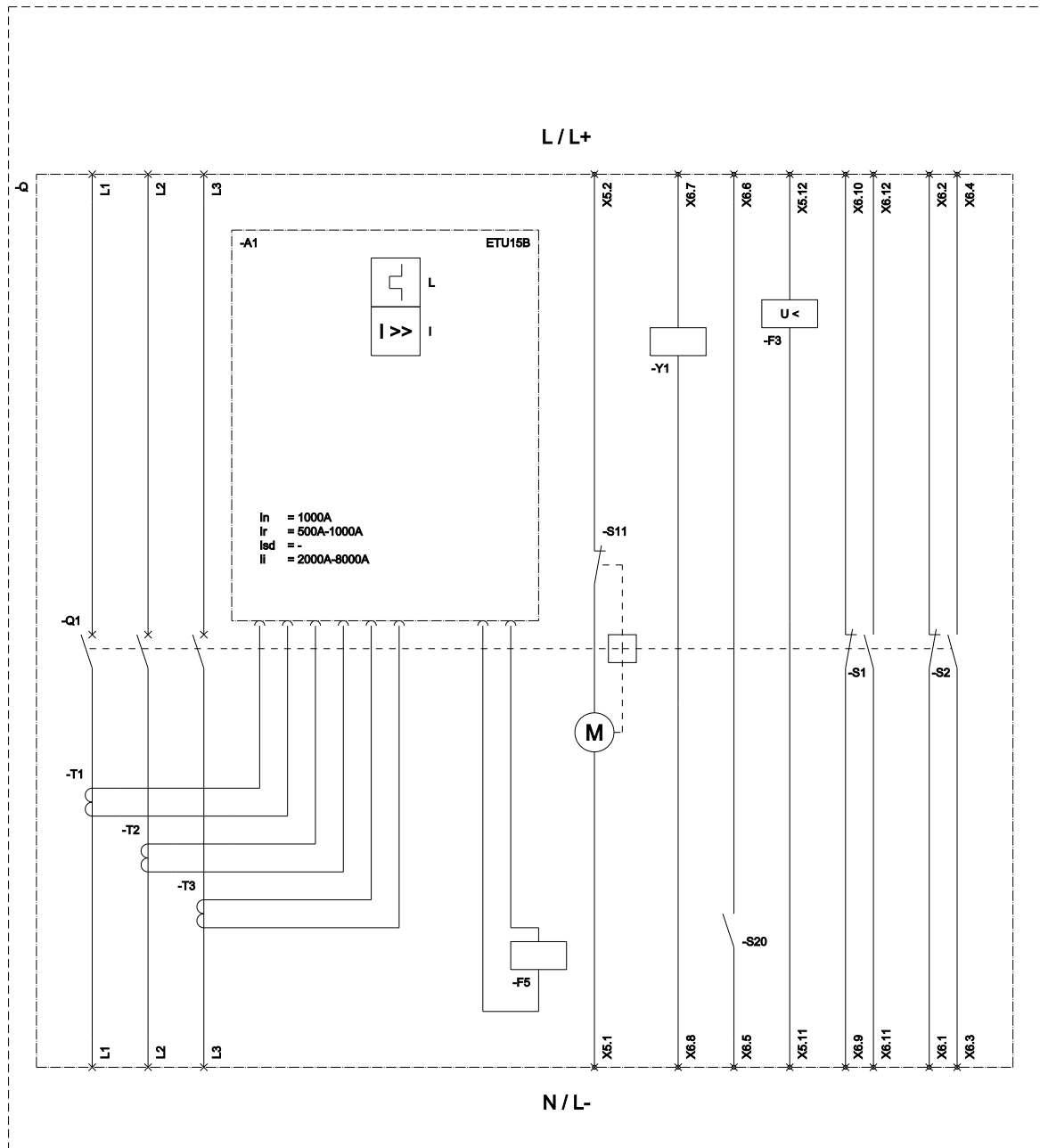


fixed-mounted circuit breaker 3-pole, size I, IEC In=1000A to 690V, AC50/60Hz Icu=55kA at 500V frnt.conn. top/bot. dual-hole Overcurrent release ETU 15 LI protection adjustable 0.5-1 in Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC C01= mechanical switching cycle counter C22= Ready indicator F31= EMC filter

| Model | |
|---|---|
| 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 | ETU15B |
| General technical data | |
| number of poles | 3 |
| size of the circuit-breaker | 1 |
| utilization category | B |
| Voltage | |
| 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 | LI |
| Dissipation | |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 33.3 W |
| • maximum | 100 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 | system protection |
| Adjustable parameters | |
| adjustable current response value current / of the current-dependent overload release / initial value | 500 A |
| Product details | |
| product component | |
| • trip indicator | Yes |
| • voltage trigger | No |
| • undervoltage release | Yes |
| design of the auxiliary switch | 2 NO + 2 NC |
| product extension / optional / motor drive | No |
| Product function | |
| product function | |
| • grounding protection | No |
| • phase failure detection | No |

| Display and operation | |
|---|--|
| display version | without display |
| Short circuit | |
| 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 |
| Connections | |
| arrangement of electrical connectors / for main current circuit | Main connection top front/bottom double hole |
| type of electrical connection / for main current circuit | busbar connection |
| Mechanical Design | |
| height | 541 mm |
| width | 320 mm |
| depth | 369 mm |
| fastening method | fixed mounting |
| Net Weight | 43 kg |
| Environmental conditions | |
| ambient temperature / during operation | |
| • minimum | -20 °C |
| • maximum | 70 °C |
| ambient temperature / during storage | |
| • minimum | -40 °C |
| • maximum | 70 °C |
| Further information | |
| Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 | |
| Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 | |
| Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/lowvoltage/catalogs | |
| Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2BB34-4AN2-Z C01+C22+F31 | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2BB34-4AN2-Z C01+C22+F31 | |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2BB34-4AN2-Z C01+C22+F31 | |
| CAX-Online-Generator https://www.siemens.com/cax | |
| Tender specifications https://www.siemens.com/specifications | |
| Characteristic curves <a haupt"><="" href="https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=" mmp_prod_no>"="">https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no> | |





L (Long Time Delay / Überlastschutz); I (instantaneous / Kurzschlusseschutz, unverzögert);
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F3 (Undervoltage release / Unterspannungsalöser);
 F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S20 (Ready to close signalling switch / Einschaltbereitschaftsmeldesalter);
 Y1 (Closing coil / Einschaltmagnet);

last modified:

11/24/2025

