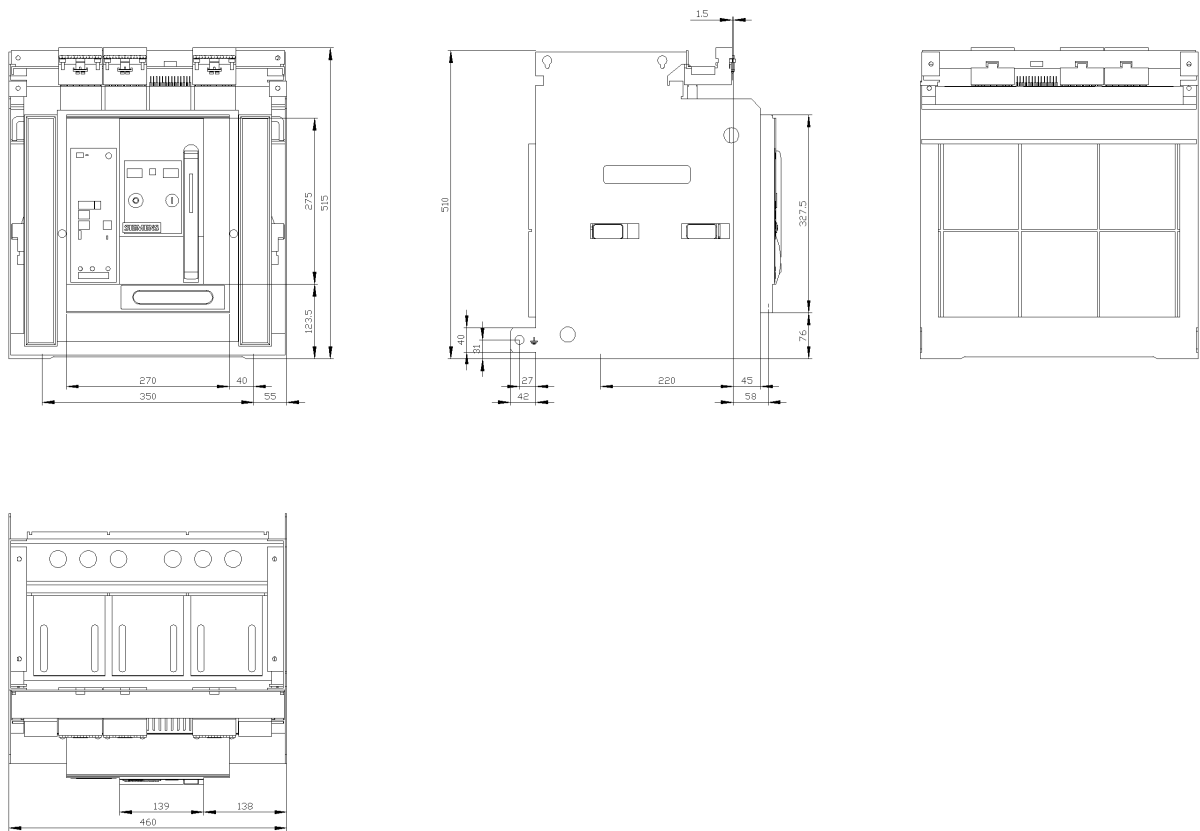
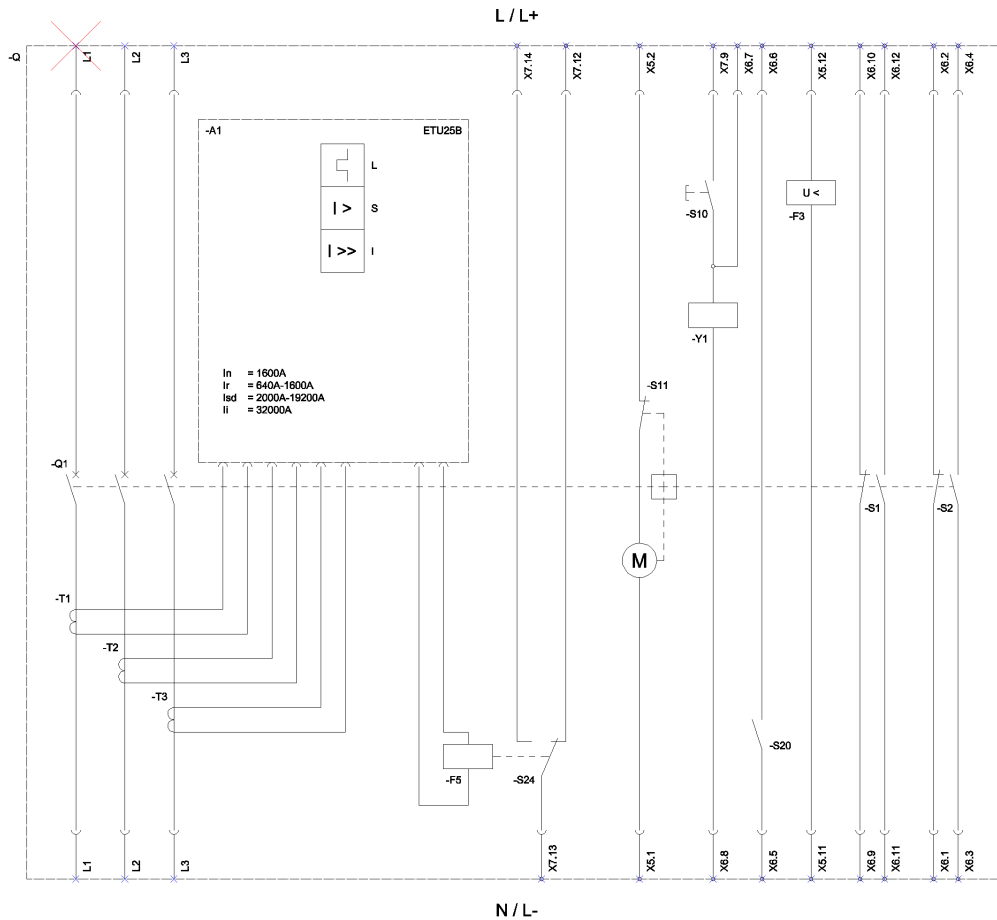


withdrawable circuit breaker without guide frame 3-pole, size II, IEC
 $I_n=1600\text{A}$ to 690V, AC50/60Hz $I_{cu}=100\text{kA}$ at 500V rear connection
 horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in
 Motorized/manual operating mechanism with spring charging motor AC
 50/60 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 A05=
 Version for 1000 V C11= electrical On with sealing cap not possible with
 option F02 C22= Ready indicator F31= EMC filter K07= Tripped signaling
 contact, 1 CO not possible with option F02 S07= Castell/Fortress in Off
 position with 4 padlock (Safe Off/disconnector function) Disconnector
 condition in compliance with IEC 60947-2

| 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 | ETU25B |
| General technical data | |
| number of poles | 3 |
| size of the circuit-breaker | 2 |
| 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 | 1 000 V |
| Protection class | |
| protection class IP | IP20 |
| protection class IP / on the front | IP20 |
| protection function of the overcurrent release | LSI |
| Dissipation | |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 58.7 W |
| • maximum | 175 W |
| Current | |
| operational current | |
| • at 40 °C / rated value | 1 600 A |
| • at 45 °C / rated value | 1 600 A |
| • at 50 °C / rated value | 1 600 A |
| • at 55 °C / rated value | 1 600 A |
| • at 60 °C / rated value | 1 600 A |
| • at 65 °C / rated value | 1 600 A |
| • at 70 °C / rated value | 1 600 A |
| continuous current / rated value / maximum | 1 600 A |
| continuous current / rated value | 1 600 A |
| adjustable current response value current | |
| • of the current-dependent overload release / full-scale value | 1 600 A |
| • of instantaneous short-circuit trip unit / minimum | 32 000 A |

| | |
|---|--------------------------|
| • of instantaneous short-circuit trip unit / maximum | 32 000 A |
| 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 | 640 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 | Yes |
| Display and operation | |
| display version | without display |
| Short circuit | |
| breaking capacity operating short-circuit current (Ics) | |
| • at 415 V / rated value | 100 kA |
| • at 500 V / rated value | 100 kA |
| • at 690 V / rated value | 85 kA |
| breaking capacity maximum short-circuit current (Icu) | |
| • at 415 V / rated value | 100 kA |
| • at 500 V / rated value | 100 kA |
| • at 690 V / rated value | 85 kA |
| Connections | |
| arrangement of electrical connectors / for main current circuit | without guide frame |
| type of electrical connection / for main current circuit | Blade contacts |
| Mechanical Design | |
| height | 411.5 mm |
| width | 451 mm |
| depth | 337 mm |
| fastening method | drawer unit |
| Environmental conditions | |
| ambient temperature / during operation | |
| • minimum | -20 °C |
| • maximum | 70 °C |
| ambient temperature / during storage | |
| • minimum | -40 °C |
| • maximum | 70 °C |
| Further information | |
| Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1216-4CB35-4AN2-Z A05+C11+C22+F31+K07+S07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-4CB35-4AN2-Z A05+C11+C22+F31+K07+S07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-4CB35-4AN2-Z A05+C11+C22+F31+K07+S07 CAX-Online-Generator http://www.siemens.com/cax | |





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlusschutz, unverzögert);
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F3 (Undervoltage release / Unterspannungsauslöser);
 F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S10 (Local Electrical); S20 (Ready to close signalling switch / Einschaltbereitschaftsmeldesalter);
 S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgelöstmeldesalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/20/2020

