

Draw-out circuit breaker Without guide frame 3-pole, Size 2, IEC In=2500 A to 690 V, 50/60 Hz AC Icu=85 kA at 500 V Rear horizontal connection 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 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 2NO+2NC C01= mechanical switching cycle counter C11= electrical On with sealing cap not possible with option F02 C22= Ready indicator K07= Tripped signaling contact, 1 CO not possible with option F02

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 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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	173.3 W
• maximum	520 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
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	

<b>product function</b>	
• grounding protection	No
• phase failure detection	Yes
<b>Display and operation</b>	
<b>display version</b>	without display
<b>Short circuit</b>	
<b>operating short-circuit current breaking capacity (Ics)</b>	
• at 415 V / rated value	85 kA
• at 500 V / rated value	85 kA
• at 690 V / rated value	75 kA
<b>maximum short-circuit current breaking capacity (Icu)</b>	
• at 415 V / rated value	85 kA
• at 500 V / rated value	85 kA
• at 690 V / rated value	75 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>	
<b>height</b>	411.5 mm
<b>width</b>	451 mm
<b>depth</b>	337 mm
<b>fastening method</b>	drawer unit
<b>Net Weight</b>	63 kg
<b>Environmental conditions</b>	
<b>ambient temperature / during operation</b>	
• minimum	-40 °C
• maximum	70 °C
<b>ambient temperature / during storage</b>	
• minimum	-40 °C
• maximum	80 °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=3WL1225-3CB65-4GA2-Z C01+C11+C22+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-3CB65-4GA2-Z C01+C11+C22+K07>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1225-3CB65-4GA2-Z C01+C11+C22+K07](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-3CB65-4GA2-Z C01+C11+C22+K07)

##### CAX-Online-Generator

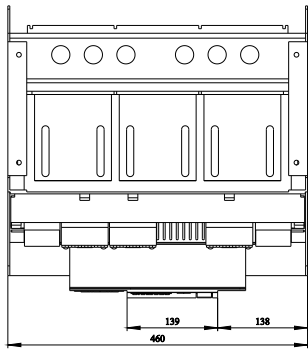
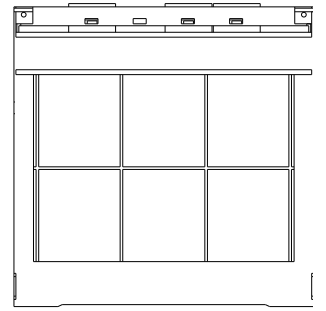
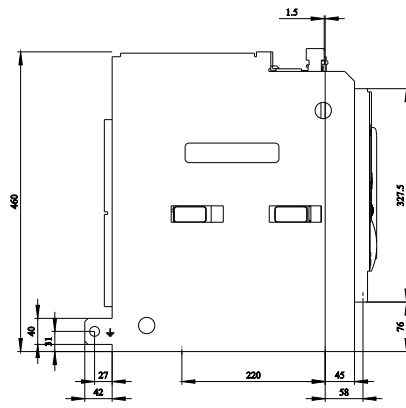
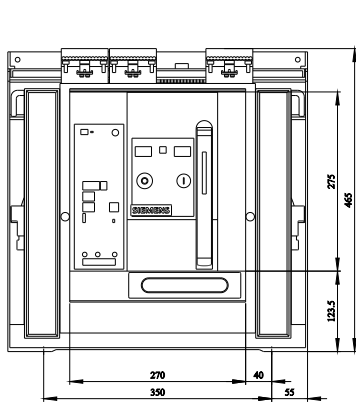
<https://www.siemens.com/cax>

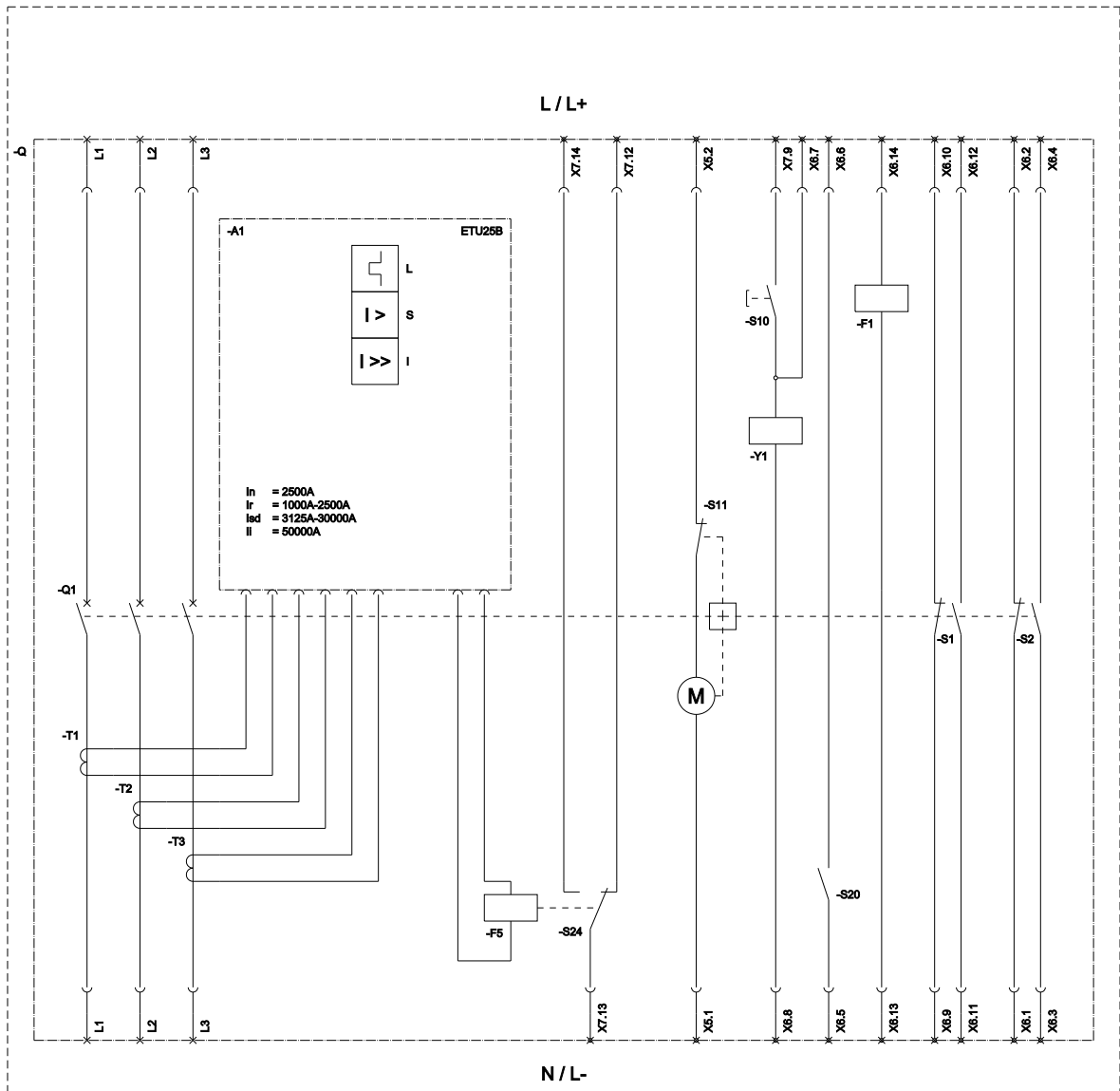
##### Tender specifications

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

##### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögerter); I (Instantaneous / Kurzschlussschutz, unverzögerter);  
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser);  
 F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S10 (Local Electrical); S20 (Ready to close signalling switch / Einschaltbereitschaftsmeldeschalter);  
 S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgelstmeldechalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

6/15/2022

