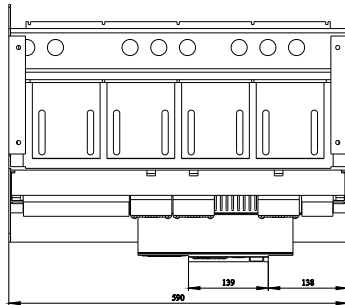
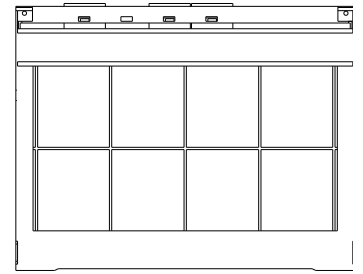
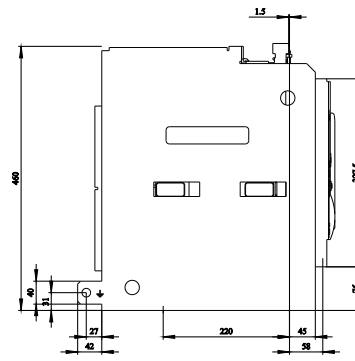
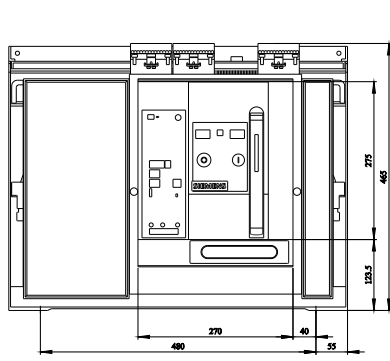
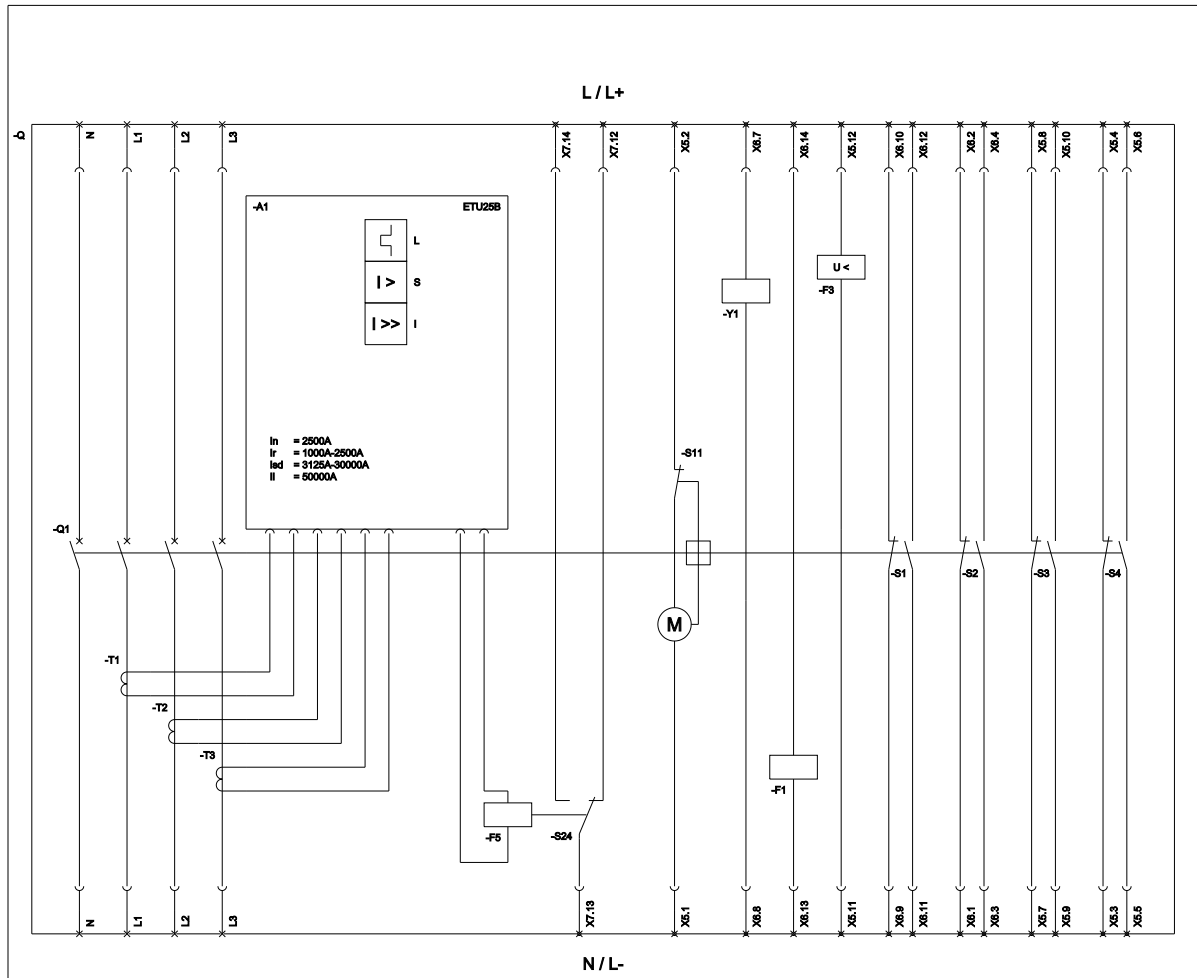


withdrawable circuit breaker without guide frame 4-pole, size II, IEC
 $I_n=2500A$ to 690V, AC50/60Hz $I_{cu}=80kA$ at 500V rear connection
 horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in
 Motorized/manual operating mechanism with spring charging motor AC
 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V
 DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220
 V DC, 100% on-load factor With 2nd auxiliary release "R", F3
 Undervoltage, instant. 208-240 V AC, 220-250 V DC 4NO+4NC 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	4
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	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	4
number of NO contacts / for auxiliary contacts	4
Suitability	
suitability for use	Plant / motor protection
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	

product function	
• grounding protection • phase failure detection	No Yes
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 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	555 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum • maximum	-20 °C 70 °C
ambient temperature / during storage	
• minimum • maximum	-40 °C 70 °C
Further information	
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-3CB45-4GN4-Z K07	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-3CB45-4GN4-Z K07	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-3CB45-4GN4-Z K07	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	





L (Long Time Delay / Übersetzungszeit); S (Short Time Delay / Kurzschlusszeit, kurzzeitverzögerung); I (Instantaneous / Kurzschlusszeit, unverzögert);
 S11 (Internal motor shutdown switch, if going is tensioned / Interne Motorschalterschalter, wenn Feder gespannt); T1 (1st auxiliary release / Erste Hilfsabfederung); F9 (Undervoltage release / Unterspannungsmittler);
 F5 (Magnet for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S24 (1st trip signalling switch K07 (Reset position) / Erste Auslösekontaktchalter K07 (Reset Position)); Y1 (Closing coil / Einschaltzugspul);

last modified:

2/8/2023 

