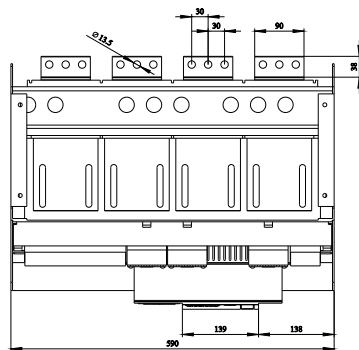
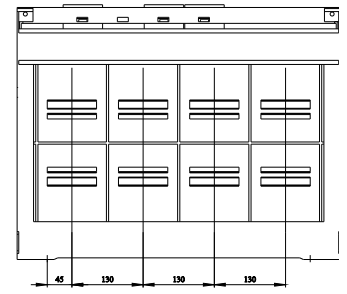
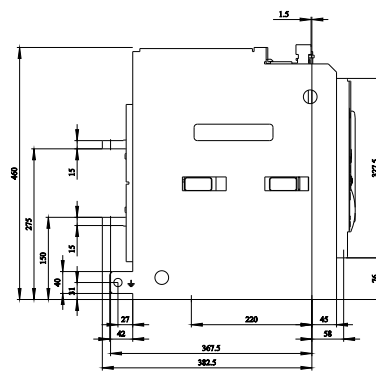
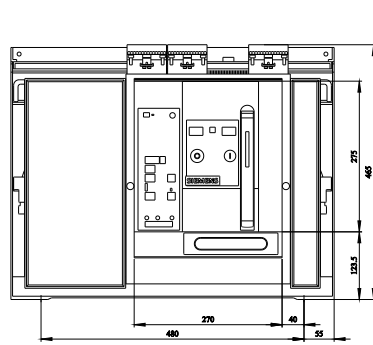
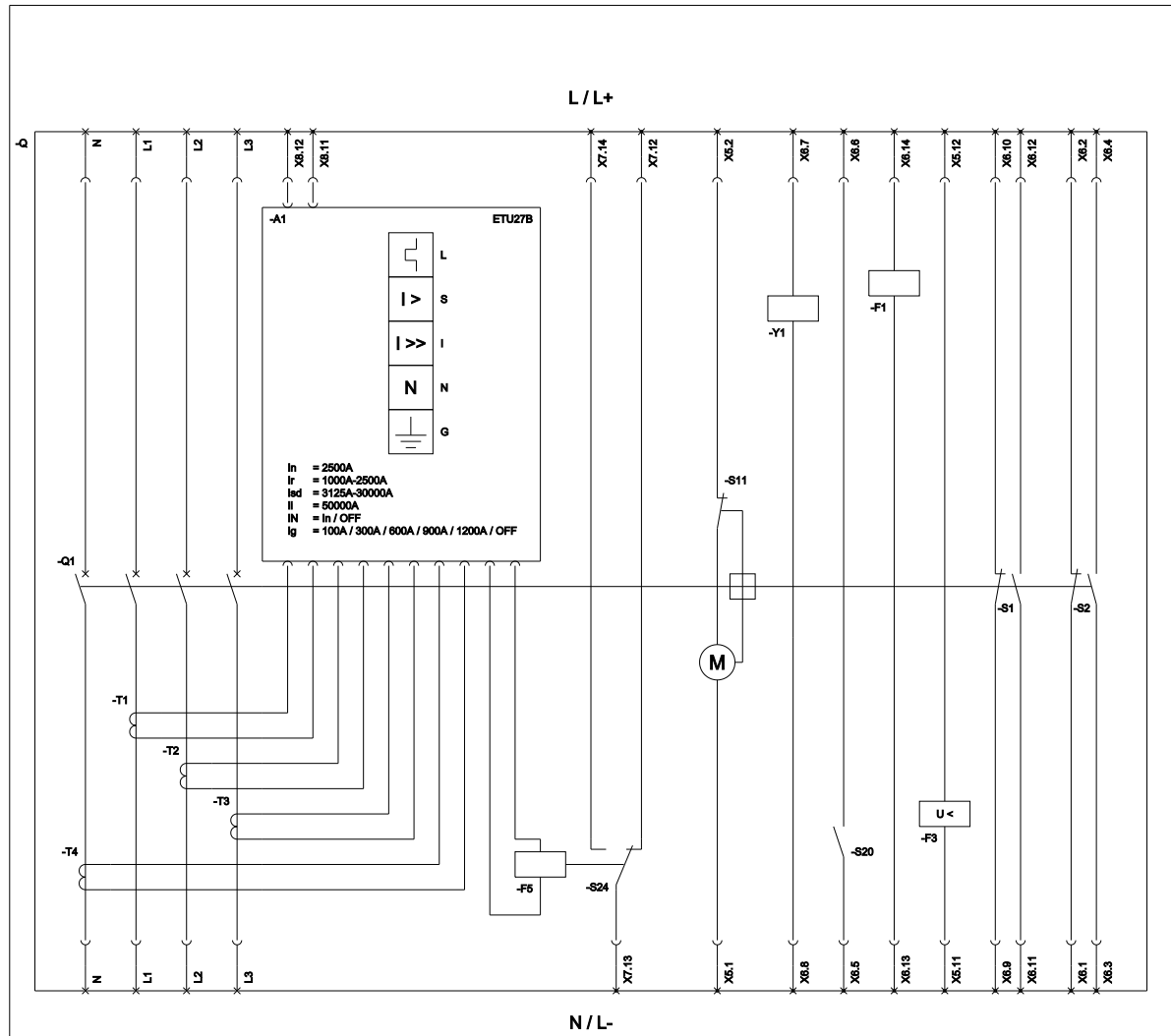


withdrawable circuit breaker with guide frame 4-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground fault/N protection integrated Motorized/manual operating mechanism with spring charging motor 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 2NO+2NC C22= Ready-to-close signaling F23= Internal current converter 4-pole switch BGII K07= Tripped signaling contact, 1 CO not possible with option F02 R21= Shutter 2-part can be locked with bracket lock T40= Door sealing frame

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	ETU27B
General technical data	
number of poles	4
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 function of the overcurrent release	LSING
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	173.3 W
• maximum	520 W
Current	
operational current	
• at 40 °C / rated value	2 500 A
• at 45 °C / rated value	2 500 A
• at 50 °C / rated value	2 500 A
• at 55 °C / rated value	2 500 A
• at 60 °C / rated value	2 500 A
• at 65 °C / rated value	2 500 A
• at 70 °C / rated value	2 280 A
continuous current / rated value / maximum	2 500 A
continuous current / rated value	2 500 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	2 500 A
• of instantaneous short-circuit trip unit / minimum	50 000 A
• of instantaneous short-circuit trip unit / maximum	50 000 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	1 000 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	Yes
• 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	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	465.5 mm
width	590 mm
depth	456 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=3WL1225-2DG46-4GN2-Z C22+F23+K07+R21+T40 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2DG46-4GN2-Z C22+F23+K07+R21+T40 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2DG46-4GN2-Z C22+F23+K07+R21+T40 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitsensitiv); I (Instantaneous / Kurzschlussschutz, unversensitiv); N (Neutral Protection / Neutrallebensschutz);
G (Ground Fault Protection / Erdschussschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorschalterschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser);
F3 (Undervoltage release / Unterspannungsauslöser); F5 (Magnet for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S20 (Ready to close signalling switch / Einschaltbereitschaftsschalter);
S24 (1st trip signalling switch K07 (Reset position) / Erster Auslösestromschalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/16/2020

