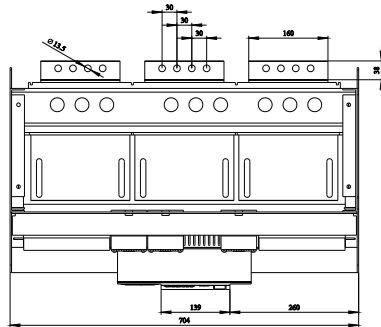
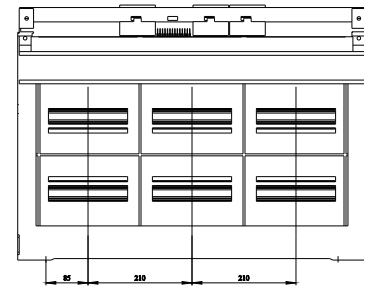
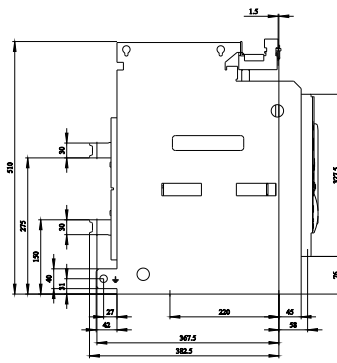
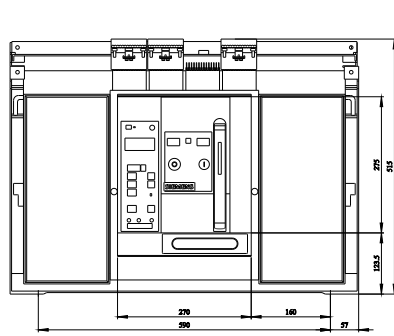
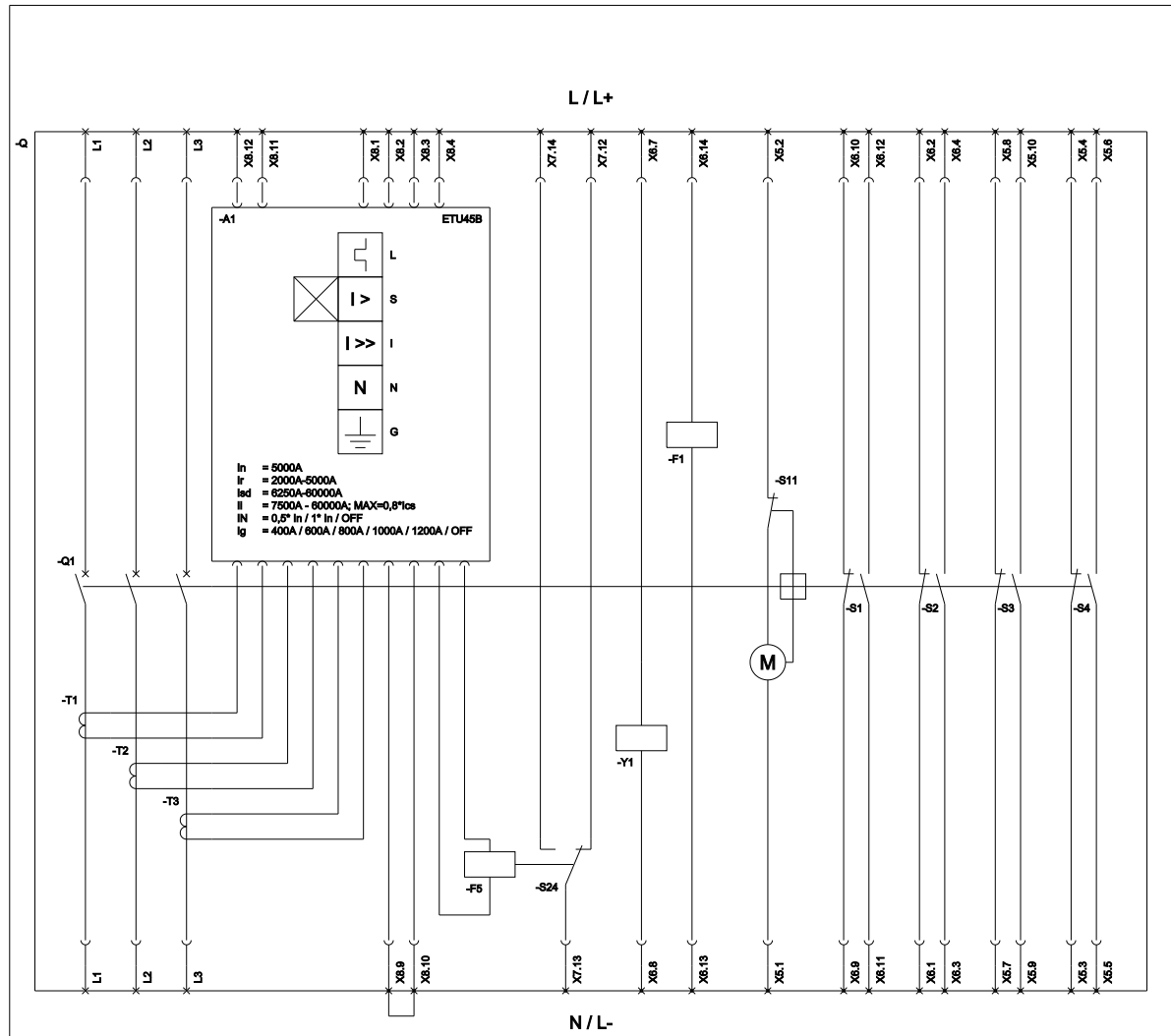


Draw-out circuit breaker with slide-in module frame 3-pole, Size 3, IEC In=5000 A up to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Rear horizontal connection Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with display and cubicle bus with ground fault protection Opt.: Comm./measuring func./ZSS 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 4NO+4NC A05= Version for 1000 V 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	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	3
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	1 000 V
Protection class	
protection class IP	IP20
protection class IP / on the front	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	350 W
• maximum	1 050 W
Current	
operational current	
• at 40 °C / rated value	5 000 A
• at 45 °C / rated value	5 000 A
• at 50 °C / rated value	5 000 A
• at 55 °C / rated value	5 000 A
continuous current / rated value / maximum	5 000 A
continuous current / rated value	5 000 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / minimum	7 500 A
• of instantaneous short-circuit trip unit / maximum	60 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	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	No
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	Yes
• phase failure detection	Yes
Display and operation	
display version	WITH 4-LINE DISPLAY
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
• at 1000 V / rated value	85 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	100 kA
• at 1000 V / rated value	85 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	466.5 mm
width	704 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-40 °C
• maximum	55 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
Further information	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1350-4FG66-4GA4-Z A05+K07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1350-4FG66-4GA4-Z A05+K07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1350-4FG66-4GA4-Z A05+K07 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, unversetzter); N (Neutral Protection / Neutrallebensschutz);
 G (Ground Fault Protection / Erdschussschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interne Motorschalterschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser);
 F5 (Magnetisch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgabelöschschalter K07 (Reset Position));
 Y1 (Choking coil / Einschaltmagnet);

last modified:

9/14/2021

