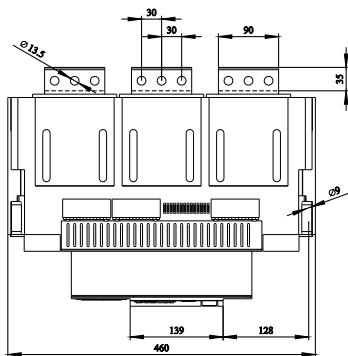
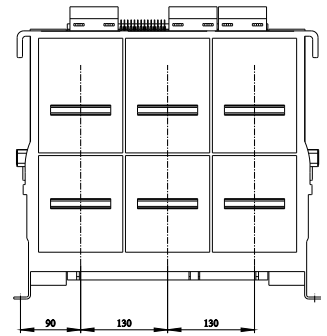
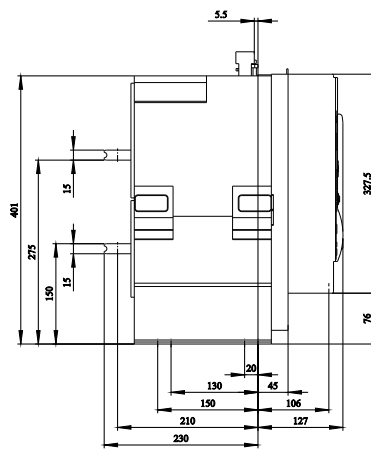
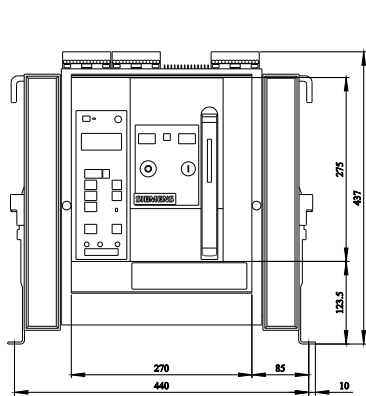
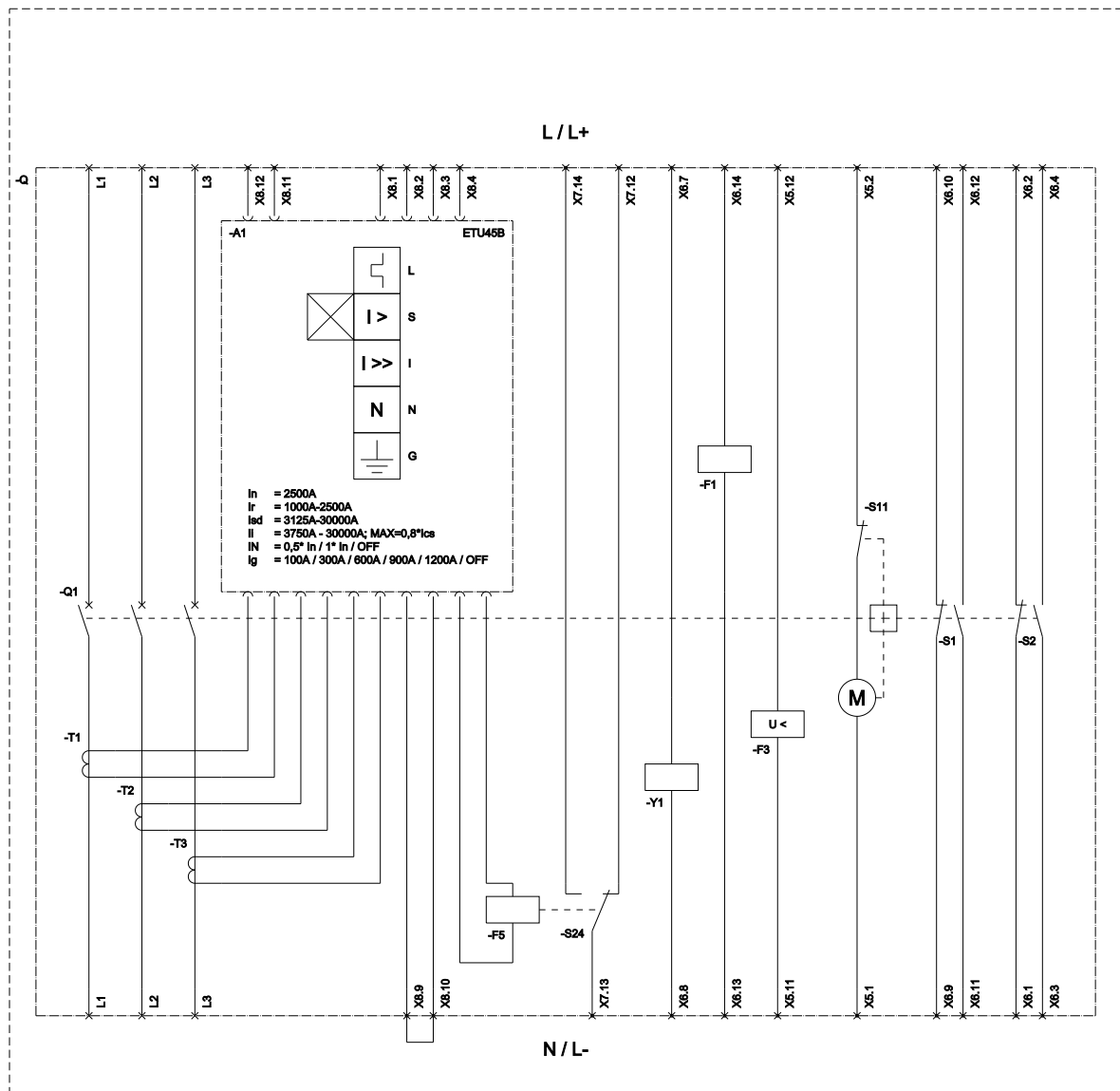


fixed-mounted circuit breaker approved to UL489 3-pole, BG II, In=2500A AC 50/60 Hz, IEC: to 690V, 100kA at 440V ul: to 600V, 100kA at 480V rear connection horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with display and cubicle bus with ground fault protection Opt.: Comm./measuring 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 With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC F31= EMC filter K07= Tripped signaling contact, 1 CO not possible with option F02 S07= Locking device, in Off position M, 4 Bracket lock, (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, UL 489 / CSA-C22.2 No. 5-02
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	2
utilization category	B
circuit-breaker / Design	3WL5
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• for main current circuit / at AC / at 50 Hz / according to UL 489 / maximum	600 V
• for main current circuit / at AC / at 60 Hz / according to UL 489 / maximum	600 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	90 W
• maximum	270 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
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	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
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	100 kA
• at 480 V / according to NEMA / rated value	100 kA
• at 500 V / rated value	100 kA
• at 600 V / according to NEMA / rated value	85 kA
• at 690 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	440.5 mm
width	460 mm
depth	337 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	55 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	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=3WL5225-4FG32-4GN2-Z F31+K07+S07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL5225-4FG32-4GN2-Z 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=3WL5225-4FG32-4GN2-Z F31+K07+S07 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, kurzzeileverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz);
 G (Ground Fault Protection / Erdschussschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorschaltelchalter, wenn Feder gespannt);
 F1 (1st auxiliary release / Erster Hilfsauslöser); F3 (Undervoltage release / Unterspannungsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter);
 S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgabelmeldehalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/31/2020

