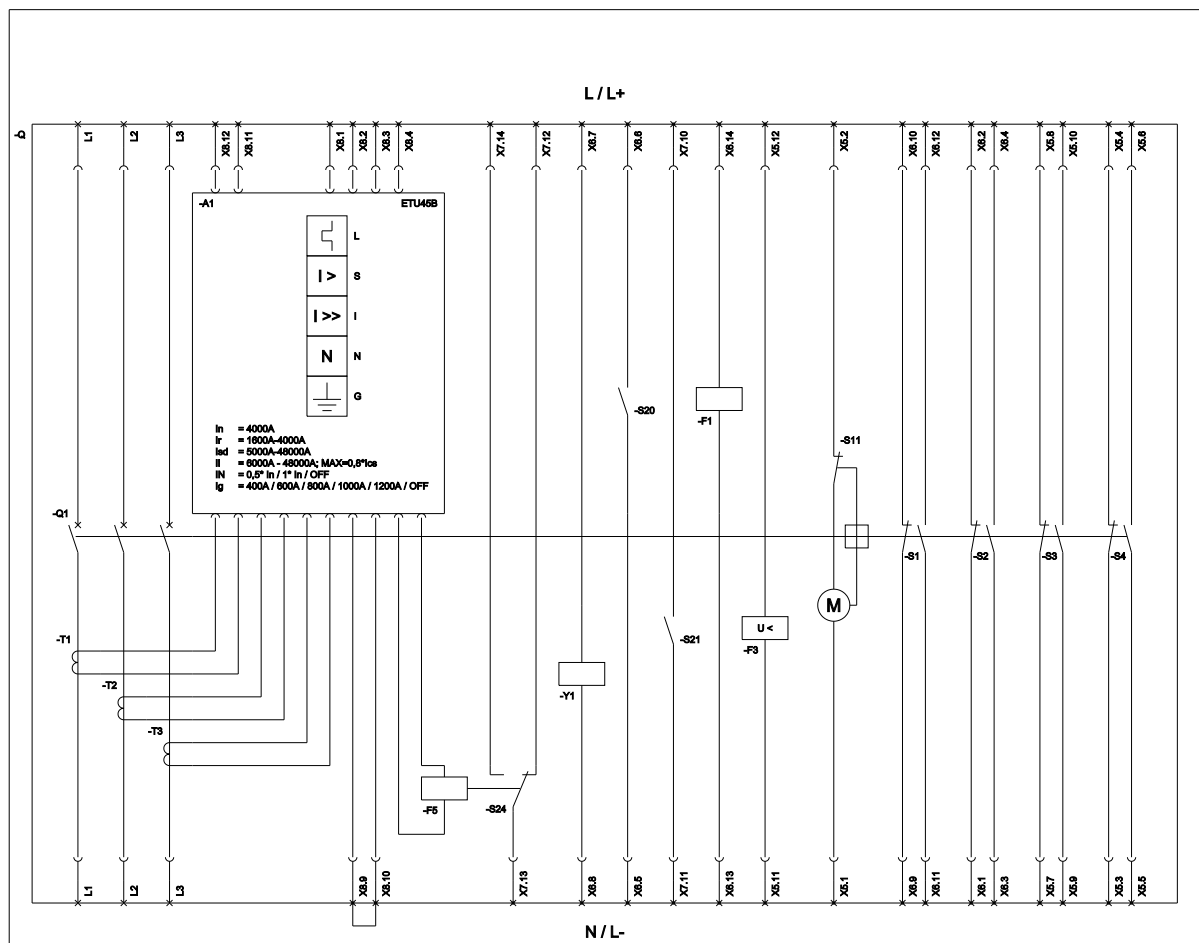
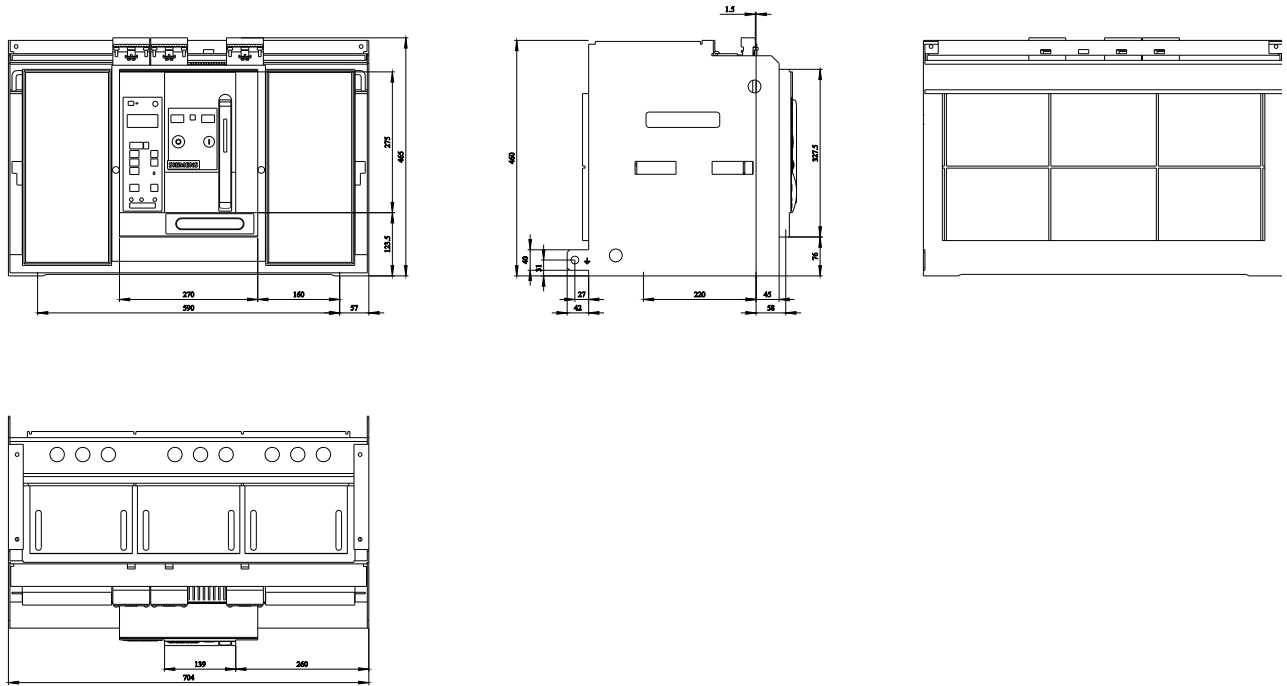


withdrawable circuit breaker without guide frame 3-pole, size III, IEC
 $I_n=4000\text{A}$ to 690V, AC50/60Hz $I_{cu}=100\text{kA}$ at 500V rear connection
 horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1
 in with cubicle bus and Ground fault protection Opt.: Comm./measuring
 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 4NO+4NC C01=
 Mechanical switching cycle counter C20= Spring charge status indicator
 not possible with option F02 C22= Ready indicator F40= Sealing disc for
 ETU25-76 for protection against unauthorized operation K01= automatic
 reset after trip 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 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	LSING
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	270 W
• maximum	810 W
Current	
operational current	
• at 40 °C / rated value	4 000 A
• at 45 °C / rated value	4 000 A
• at 50 °C / rated value	4 000 A
• at 55 °C / rated value	4 000 A
• at 60 °C / rated value	4 000 A
• at 65 °C / rated value	4 000 A
• at 70 °C / rated value	4 000 A
continuous current / rated value / maximum	4 000 A
continuous current / rated value	4 000 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / minimum	6 000 A

• of instantaneous short-circuit trip unit / maximum	48 000 A
Main circuit	
operating frequency	
• 1 / rated value • 2 / rated value	50 Hz 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 • voltage trigger • undervoltage release	Yes Yes 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	Yes Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 85 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 85 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	410 mm
width	694 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	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4EG35-4GN4-Z C01+C20+C22+F40+K01+K07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4EG35-4GN4-Z C01+C20+C22+F40+K01+K07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4EG35-4GN4-Z C01+C20+C22+F40+K01+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, kurzzeitverriegelt); I (Instantaneous / Kurzschlussschutz, unverriegelt); N (Neutral Protection / Neutraleiterschuttschutz); G (Ground Fault Protection / Erdschlussschutz);
 S11 (Internal motor shutdown switch, if spring is tensioned / Interne Motorschaltvorrichtung, wenn Feder gespannt); F1 (Let auxiliary release / Letzer Hilfsablass); F3 (Undercharge release / Unterladespannungsentlastung);
 F5 (Outgoing the trip unit / Auslösungsmagnet); S1 - S8 (Auxiliary switch / Hilfskontakt); S20 (Ready to close signalling switch / Bereitschaftsschaltkontakt); S21 (Spring charged signalling switch / Federchargettschaltkontakt);
 S24 (Let trip signalling switch K07 (Reset position) / Letzer Auslösungsschaltkontakt K07 (Reset Position)); Y1 (Closing coil / Einschaltzugspule);

last modified:

7/18/2022 