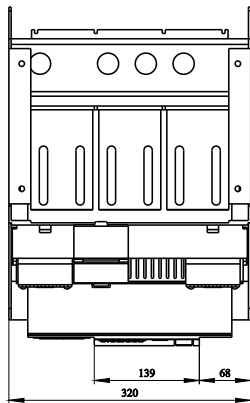
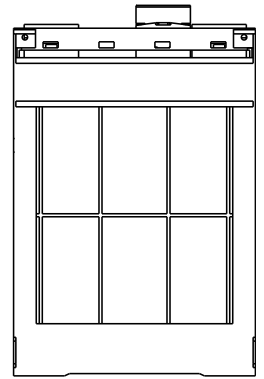
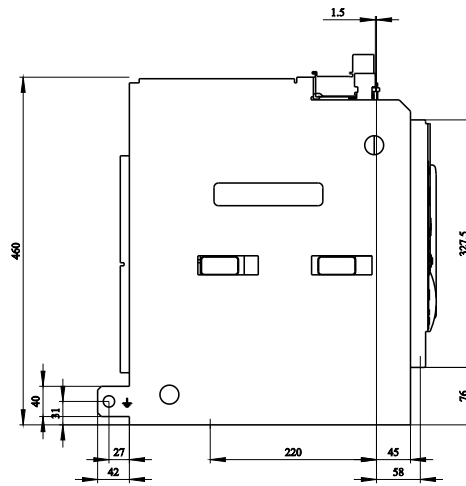
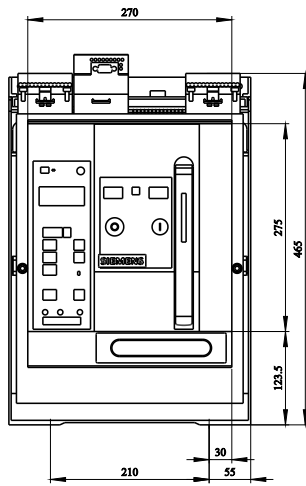
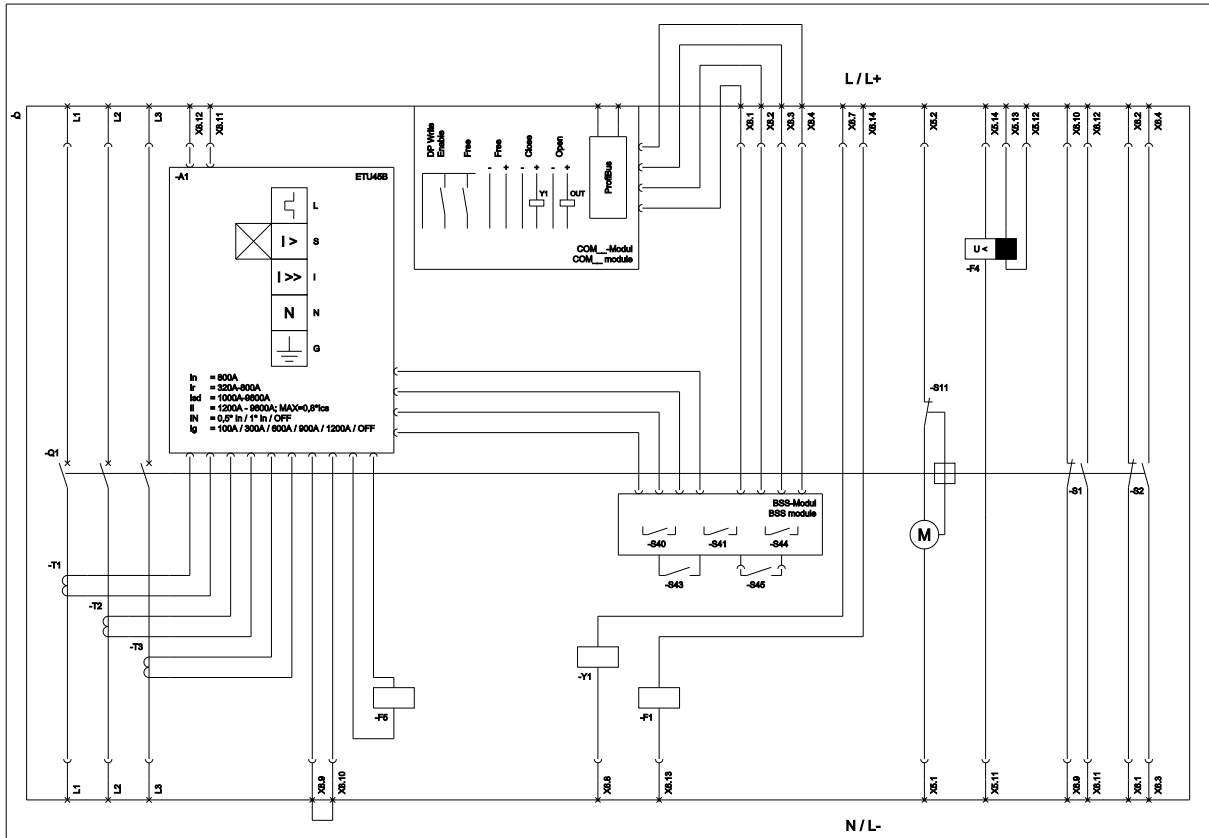


withdrawable circuit breaker without guide frame 3-pole, size I, IEC
 $I_n=800A$ to 690V, AC50/60Hz $I_{cu}=66kA$ at 500V rear connection horizontal
 Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with
 display and cubicle bus with ground fault protection Opt.:
 Comm./measuring func./ZSS Motorized/manual operating mechanism with
 spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC
 Activation 50/60 Hz 110 V AC, 110 V DC With 1st auxiliary release Shunt
 release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load factor With
 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 110-127 V AC,
 110-125 V DC, 100% ED 2NO+2NC F02= COM15 PROFIBUS module with
 breaker status sensor S07= Locking device in OFF position w. 4 bracket
 locks (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
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	1
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	65 W
• maximum	195 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	320 A
Product details	
product component	

• trip indicator • voltage trigger • undervoltage release	Yes Yes Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection • phase failure detection	Yes Yes
Display and operation	
display version	WITH 4-LINE 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	66 kA 66 kA 50 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	66 kA 66 kA 50 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	311 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum • maximum	-20 °C 55 °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=3WL1108-3FG35-5FR2-Z F02+S07	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3FG35-5FR2-Z F02+S07	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3FG35-5FR2-Z F02+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 / Kurzschlusschutz, kurzzeitverriegelt), I (Inhaltsverriegelung / Kurzschlusschutz, unverriegelt), N (Neutral Protection / Neutralisierenschutz), G (Ground Fault Protection / Erdlebensschutz),
 S11 (General motor shutdown switch, if going to neutral / Motor-Motorschaltkontakt, wenn Fehler gemeldet), T1 (1st auxiliary release / 1ster Hilfskontakt), F1 (Under-voltage release time delay / Unterspannungszeitverzögerung), F5 (High limit for trip unit / Antriehsperre),
 S1 - S5 (Auxiliary switch / Hilfskontakt), Y1 (Closing coil / Einschaltmagnet)

last modified:

4/5/2020 

