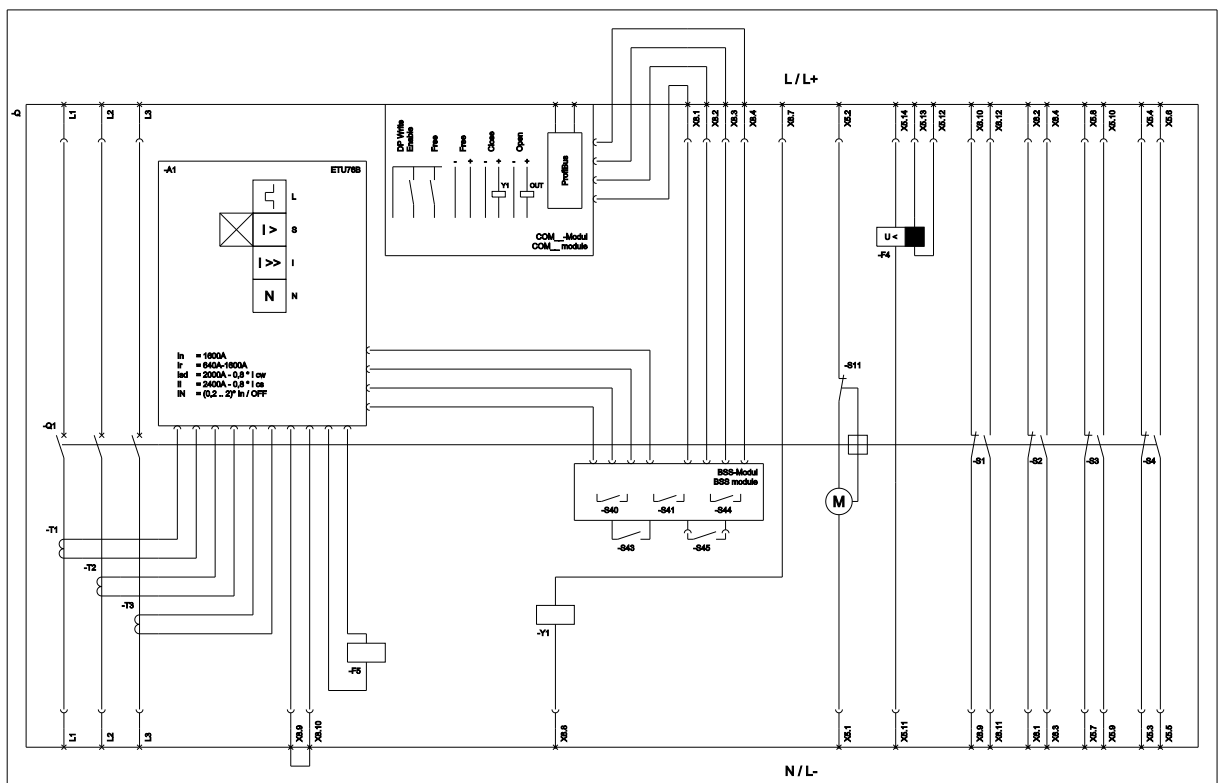
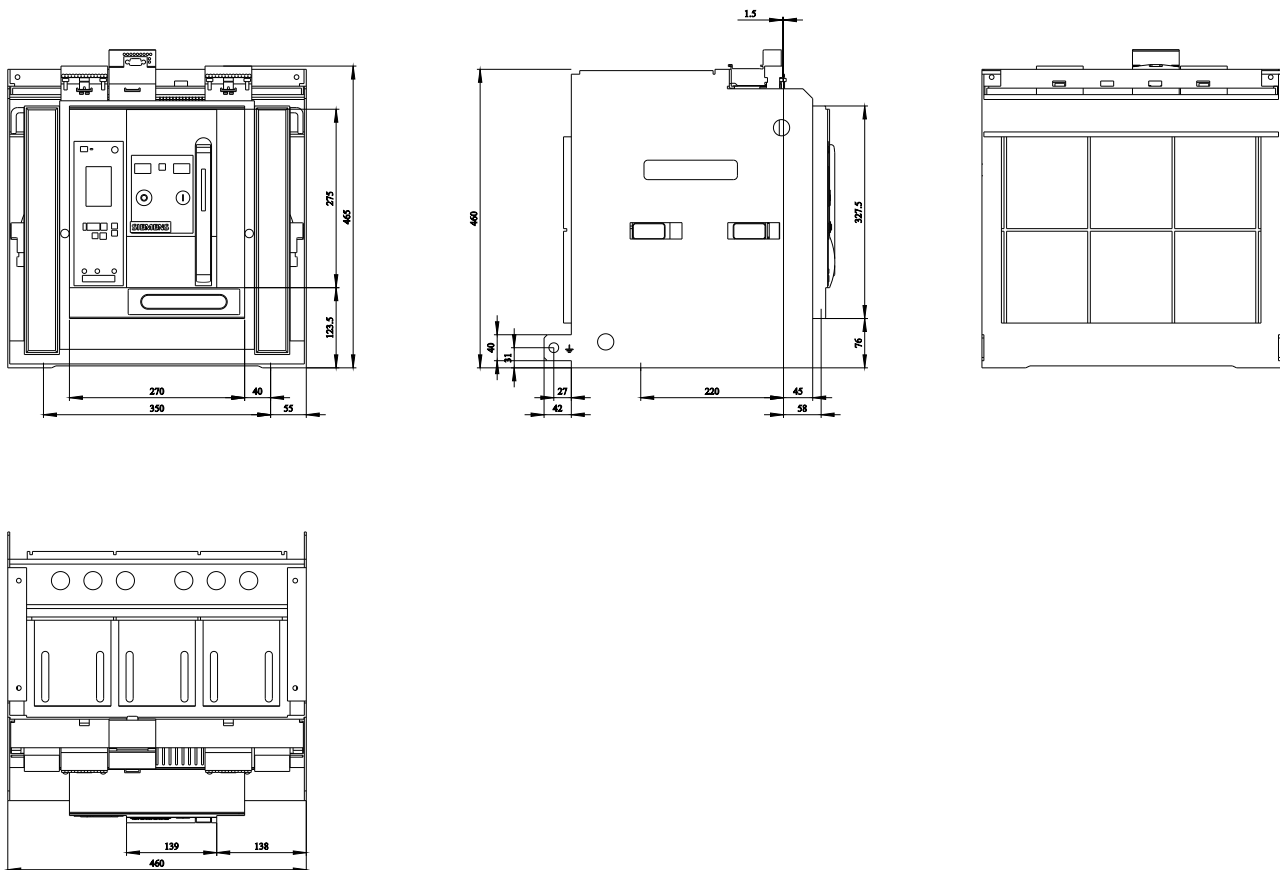


Draw-out circuit breaker Without guide frame 3-pole, Size 2, IEC In=1600 A up to 690 V, 50/60 Hz AC Icu=85 kA at 500 V Rear horizontal connection Overcurrent release ETU 76 LSI protection adjustable 0.4-1 in with graphic display U cubicle bus Communication/ground fault/ ZSS option Motorized/manual operating 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 without 1st auxiliary release With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 4NO+4NC F02= COM15 PROFIBUS module with breaker status sensor F38= Metering PLUS required ext.VoltageTransformer I, U, P,W, Q, f, cos phi, harmonics, THD, S07= Castell/Fortress in Off position with 4 padlock (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2

Model	
product brand name	SETRON
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	ETU76B
General technical data	
number of poles	3
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 class IP / on the front	IP20
protection function of the overcurrent release	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	58.7 W
• maximum	175 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 600 A
• at 50 °C / rated value	1 600 A
• at 55 °C / rated value	1 600 A
continuous current / rated value / maximum	1 600 A
continuous current / rated value	1 600 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 600 A
• of instantaneous short-circuit trip unit / minimum	2 400 A
• of instantaneous short-circuit trip unit / maximum	64 000 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
Adjustable parameters	
adjustable current response value current	
• of the L-trip / with I_{4t} characteristic / initial value • of the L-trip / with I_{4t} characteristic / full-scale value	640 A 1 600 A
adjustable current response value current / of the current-dependent overload release / initial value	640 A
Product details	
product component	
• trip indicator • voltage trigger • undervoltage release	Yes No 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	No Yes
Display and operation	
display version	With fully-graphical display
Short circuit	
breaking capacity operating short-circuit current (I _{cs})	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	85 kA 85 kA 75 kA
breaking capacity maximum short-circuit current (I _{cu})	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	85 kA 85 kA 75 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	451 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum • maximum	-40 °C 55 °C
ambient temperature / during storage	
• minimum • maximum	-40 °C 80 °C
Further information	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1216-3NB65-4AS4-Z F02+F38+S07	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-3NB65-4AS4-Z F02+F38+S07	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-3NB65-4AS4-Z F02+F38+S07	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	



L (Long Time Delay / Überstromschutz), S (Short Time Delay / Kurzstromschutz, Inversezeitverlauf), I (Instantaneous / Kurzstromschutz, unverzögert), Y1 (Internal Protection / Motorschutzschalter), Y11 (Internal motor shutdown switch, if going is tripped / Interne Motorschutzfunktion, wenn Fehler gemeldet), Y4 (Under-voltage release time delay / Unterspannungsverzug verzugzeit), Y5 (Delayed for trip unit / Auslöseverzögerung), Y1 - Y4 (Auxiliary switch / Hilfskontakte), Y1 (Closing coil / Einschaltspannung), Y11 (Internal motor shutdown switch, if going is tripped / Interne Motorschutzfunktion, wenn Fehler gemeldet), Y4 (Under-voltage release time delay / Unterspannungsverzug verzugzeit), Y5 (Delayed for trip unit / Auslöseverzögerung), Y1 - Y4 (Auxiliary switch / Hilfskontakte), Y1 (Closing coil / Einschaltspannung).

last modified:

11/28/2022 