

withdraw. non-aut. circuit-b. with guide frame 4-pole, size III, IEC In=4000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection vertical without overcurrent release 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 without 2nd auxiliary release 4NO+4NC

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	without
General technical data	
number of poles	4
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	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
protection function of the overcurrent release	without
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
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		Contact unit without release		
Product details				
product component				
• trip indicator		No		
• 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		No		
Display and operation				
display version		without display		
Short circuit				
breaking capacity operating short-circuit current (Ics)				
• at 415 V / rated value		100 kA		
• at 500 V / rated value		100 kA		
• at 690 V / rated value		85 kA		
breaking capacity maximum short-circuit current (Icu)				
• at 415 V / rated value		100 kA		
• at 500 V / rated value		100 kA		
• at 690 V / rated value		85 kA		
Connections				
arrangement of electrical connectors / for main current circuit		Main terminal on the rear vertical		
type of electrical connection / for main current circuit		busbar connection		
Mechanical Design				
height		466.5 mm		
width		914 mm		
depth		485.5 mm		
fastening method		drawer unit		
Environmental conditions				
ambient temperature / during operation				
• minimum		-25 °C		
• maximum		70 °C		
ambient temperature / during storage				
• minimum		-40 °C		
• maximum		70 °C		
General Product Approval		EMC	Declaration of Conformity	Test Certificates



[UK Declaration of Conformity](#)

[Miscellaneous](#)

Test Certificates

Marine / Shipping

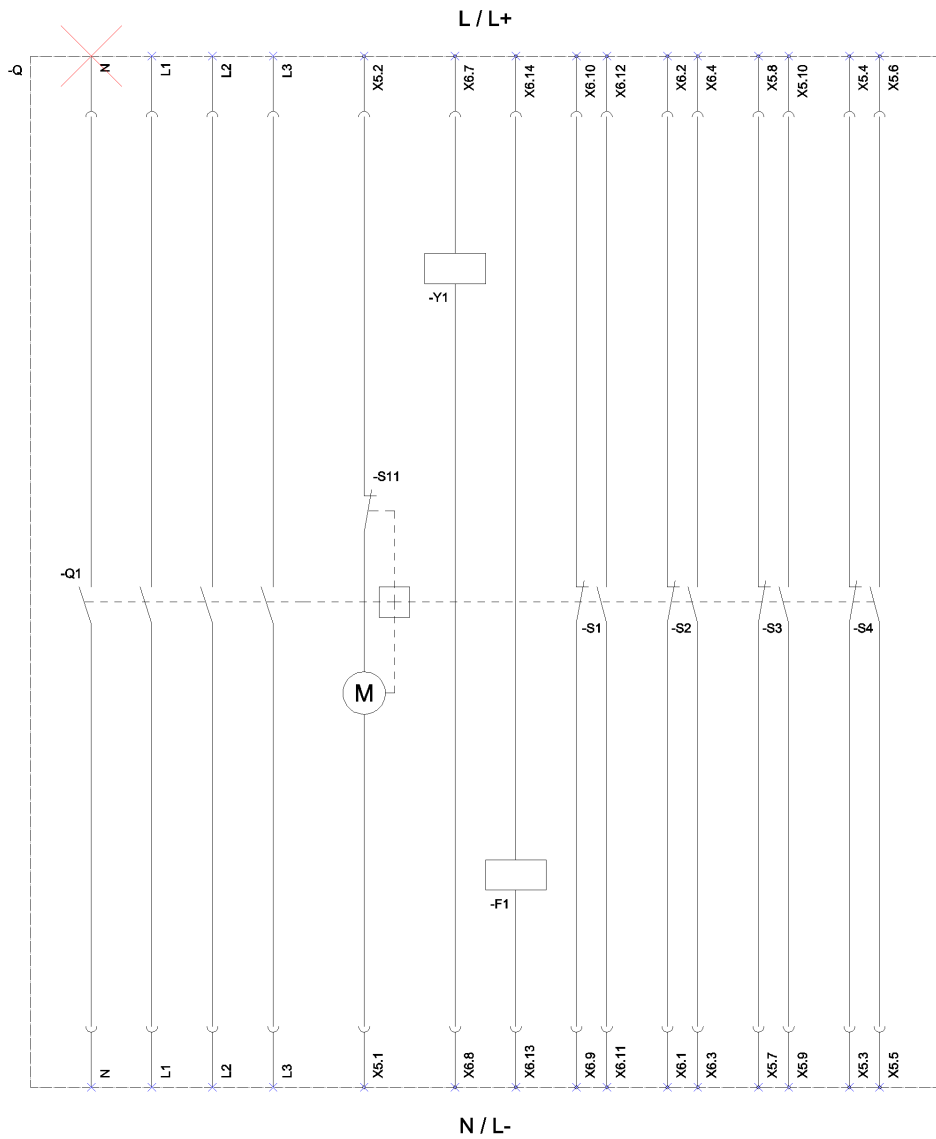
[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other



S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt);
 F1 (1st auxiliary release / Erster Hilfsauslöser); S1 - S8 (Auxiliary switch / Hilfseschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

11/30/2021

