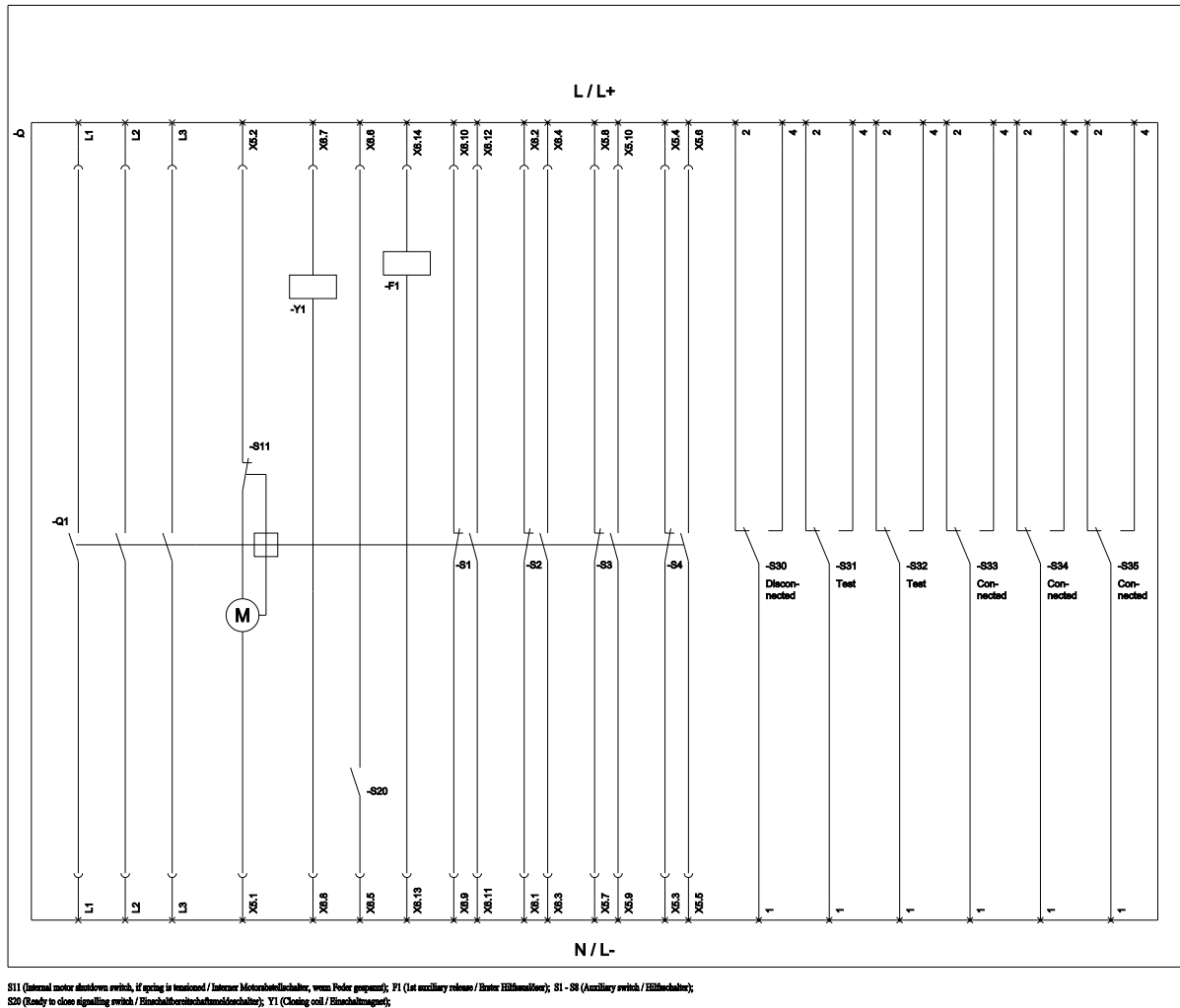


withdraw. non-aut. circuit-b. with guide frame 3-pole, size II, IEC In=1600A to 690V, AC50/60Hz Icu=80kA at 500V w. connection flange without overcurrent release Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 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 C22= Ready indicator R16= Position signaling switch, withdrawable part 6 changeover contacts R21= Shutter 2-part can be locked with padlock R30= Locking device against opening of the control cabinet door 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	without
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	without
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
• at 60 °C / rated value	1 600 A
• at 65 °C / rated value	1 600 A
• at 70 °C / rated value	1 600 A
continuous current / rated value / maximum	1 600 A
continuous current / rated value	1 600 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	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
Connections	
arrangement of electrical connectors / for main current circuit	Rear connection flange
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	465.5 mm
width	460 mm
depth	429.5 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
Further information	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1216-3AA38-5FA4-Z C22+R16+R21+R30+S07	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-3AA38-5FA4-Z C22+R16+R21+R30+S07	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-3AA38-5FA4-Z C22+R16+R21+R30+S07	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	



last modified:

3/13/2020

