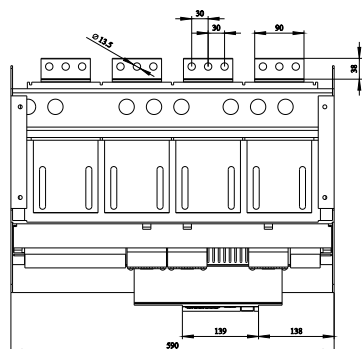
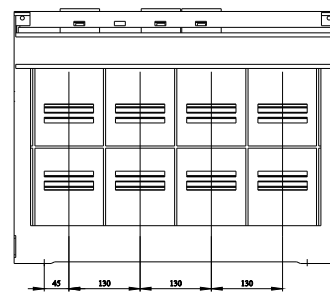
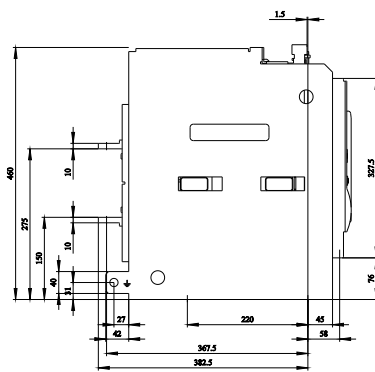
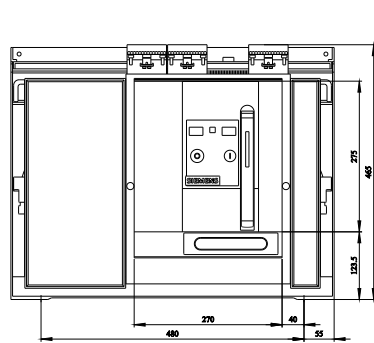
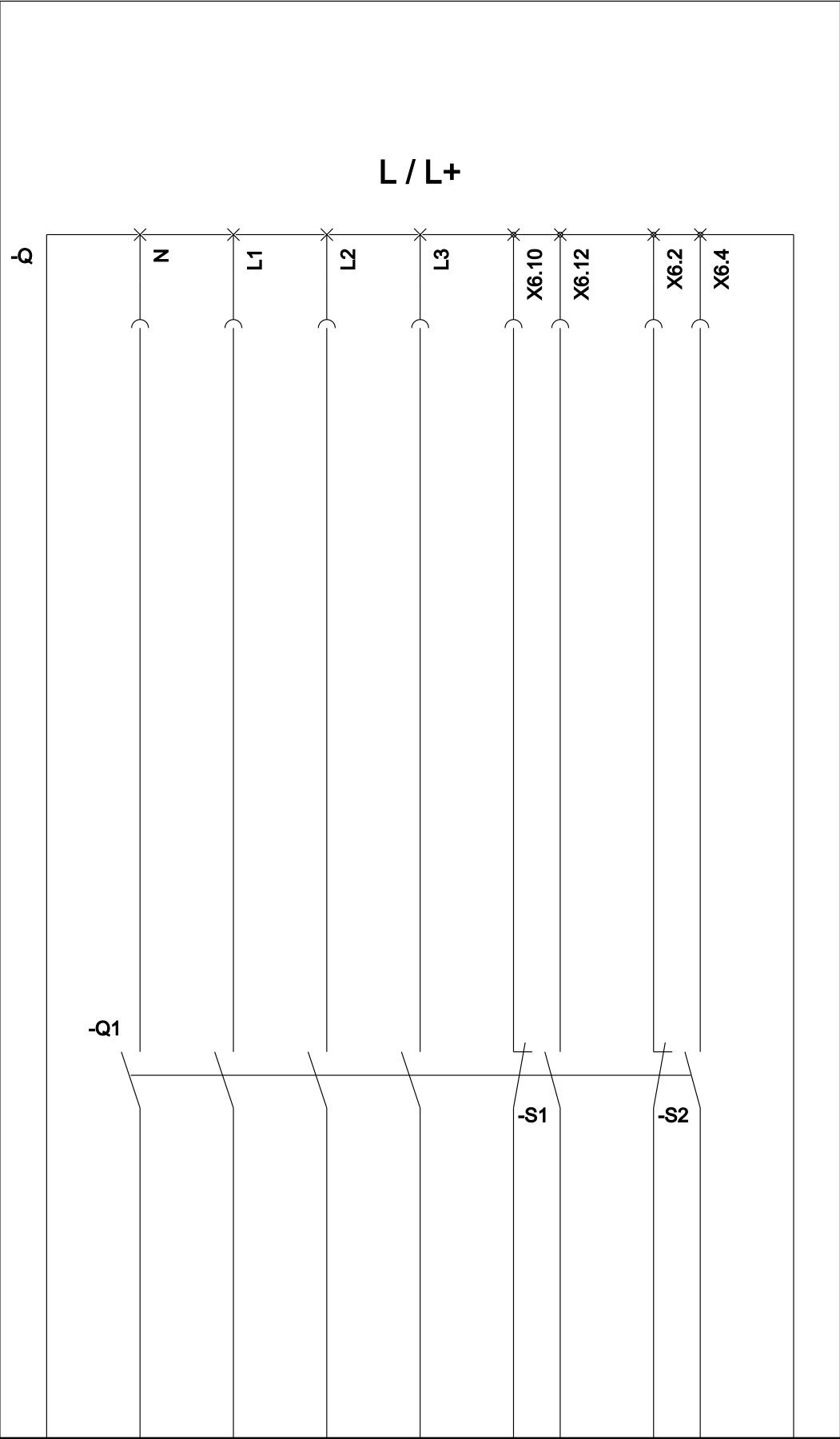


withdraw. non-aut. circuit-b. with guide frame 4-pole, size II, IEC In=2000A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal without overcurrent release With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC R21= Shutter 2-part can be locked with bracket lock T40= Door sealing frame

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 operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	without
General technical data	
number of poles	4
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 function of the overcurrent release	without
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	106.7 W
• maximum	320 W
Current	
operational current	
• at 40 °C / rated value	2 000 A
• at 45 °C / rated value	2 000 A
• at 50 °C / rated value	2 000 A
• at 55 °C / rated value	2 000 A
• at 60 °C / rated value	2 000 A
• at 65 °C / rated value	2 000 A
• at 70 °C / rated value	2 000 A
continuous current / rated value / maximum	2 000 A
continuous current / rated value	2 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	
suitability for use	Contact unit without release

<b>Product details</b>	
product component	
• trip indicator	No
• voltage trigger	No
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
<b>Product function</b>	
product function	
• grounding protection	No
<b>Display and operation</b>	
display version	without display
<b>Short circuit</b>	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
<b>Connections</b>	
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal
type of electrical connection / for main current circuit	busbar connection
<b>Mechanical Design</b>	
height	465.5 mm
width	590 mm
depth	456 mm
fastening method	drawer unit
<b>Environmental conditions</b>	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C
<b>Further information</b>	
<b>Industry Mall (Online ordering system)</b> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-3AA46-1AA2-Z R21+T40">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-3AA46-1AA2-Z R21+T40</a>	
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-3AA46-1AA2-Z R21+T40">https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-3AA46-1AA2-Z R21+T40</a>	
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-3AA46-1AA2-Z R21+T40">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-3AA46-1AA2-Z R21+T40</a>	
<b>CAX-Online-Generator</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>	
<b>Tender specifications</b> <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>	







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