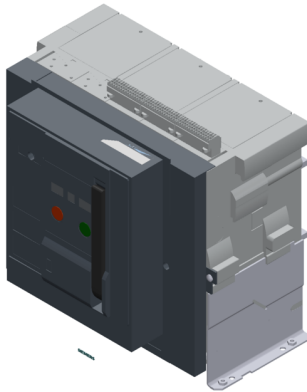


Siemens  
EcoTech



DC non-automatic ACB Fixed-mounted version, IEC 60947-2, frame size 2, 3-poles,  $I_n=2000\text{A}$  to 600V DC, Breaking capacity D  $I_{cc}=35/30/25\text{kA}$  at 220/300/600V DC, without electr. trip unit ETU, rear connection horizontal, without Com & metering function Manual operating mechanism with mechanical closing, without Spring charging motor, Ready-to-close signal. switch, Auxiliary switches 4NO+4NC, without Closing coil (CC), manual operating mechanism with mechanical closing, without Remote trip alarm reset coil (RR), without 2nd shunt trip, without 1st Shunt trip



Model	
product brand name	SENTRON
product designation	Non-automatic circuit breaker
suitability for use	DC non-automatic circuit breaker
size of the circuit-breaker	II
number of poles	3
position / of neutral conductor	no internal N-conductor
fastening method	fixed-mounted circuit breakers
design of the product	DC application
type of the driving mechanism	manual operating mechanism with mechanical or electrical closing
Weight	57.356 kg
Net Weight	42.356 kg
General technical data	
insulation voltage / rated value	600 V
operating voltage / for main current circuit / at DC / maximum	600 V
power loss [W] / maximum	390 W
Current	
continuous current / rated value / maximum	2000 A
continuous current / rated value	2000 A
operational current	
• at 40 °C / rated value	2000 A
• at 45 °C / rated value	2000 A
• at 50 °C / rated value	2000 A
• at 55 °C / rated value	2000 A
• at 60 °C / rated value	2000 A
• at 65 °C / rated value	2000 A
• at 70 °C / rated value	2000 A
Switching capacity and short-time withstand current, according to IEC 60947-2	
switching capacity class of the circuit breaker	D
conditional short-circuit current ( $I_{cc}$ ) / for non-automatic air circuit breakers / at DC	
• at 220 V / rated value	35 kA
• at 300 V / rated value	30 kA
• at 600 V / rated value	25 kA
Basic protection functions	
L: Overload protection N-conductor	
S: delayed short-circuit protection ST	

S: delayed short-circuit protection ST, settings values I0t	
S: delayed short-circuit protection ST, settings values I2t	
G: ground fault GF	
<b>Measuring functions</b>	
measurement function	
• current measurement	Yes
<b>Communication</b>	
communication function	No
<b>Service Life</b>	
mechanical service life (operating cycles)	
• without support / typical	10000
• with support / typical	20000
electrical endurance (operating cycles)	
• at DC / at 600 V / with support / typical	20000
• at DC / at 600 V / without support / typical	6000
<b>Dimensions</b>	
height	437 mm
width	460 mm
depth	357 mm
<b>Main connection</b>	
arrangement of electrical connectors / for main current circuit	main connection on the rear, horizontal
<b>Auxiliary circuit</b>	
design of the auxiliary switch	4 NO + 4 NC
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
number of CO contacts / for auxiliary contacts	0
<b>Internal accessories</b>	
product component	
• undervoltage release	No
• voltage trigger	No
• trip indicator	No
• motor drive	No
<b>Environmental conditions</b>	
protection class IP / on the front	IP20
ambient temperature / during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
<b>Environmental footprint</b>	
Siemens Eco Profile (SEP)	Siemens EcoTech
<b>Certificates</b>	
reference code	
• according to IEC 81346-2	Q
<b>General Product Approval</b>	
EMV	



[Confirmation](#)



EG-Konf.



RCM

Radio Equipment Type Approval Certificate	Test Certificates	Marine / Shipping	other
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[Miscellaneous](#)

[Miscellaneous](#)

[Special Test Certificate](#)

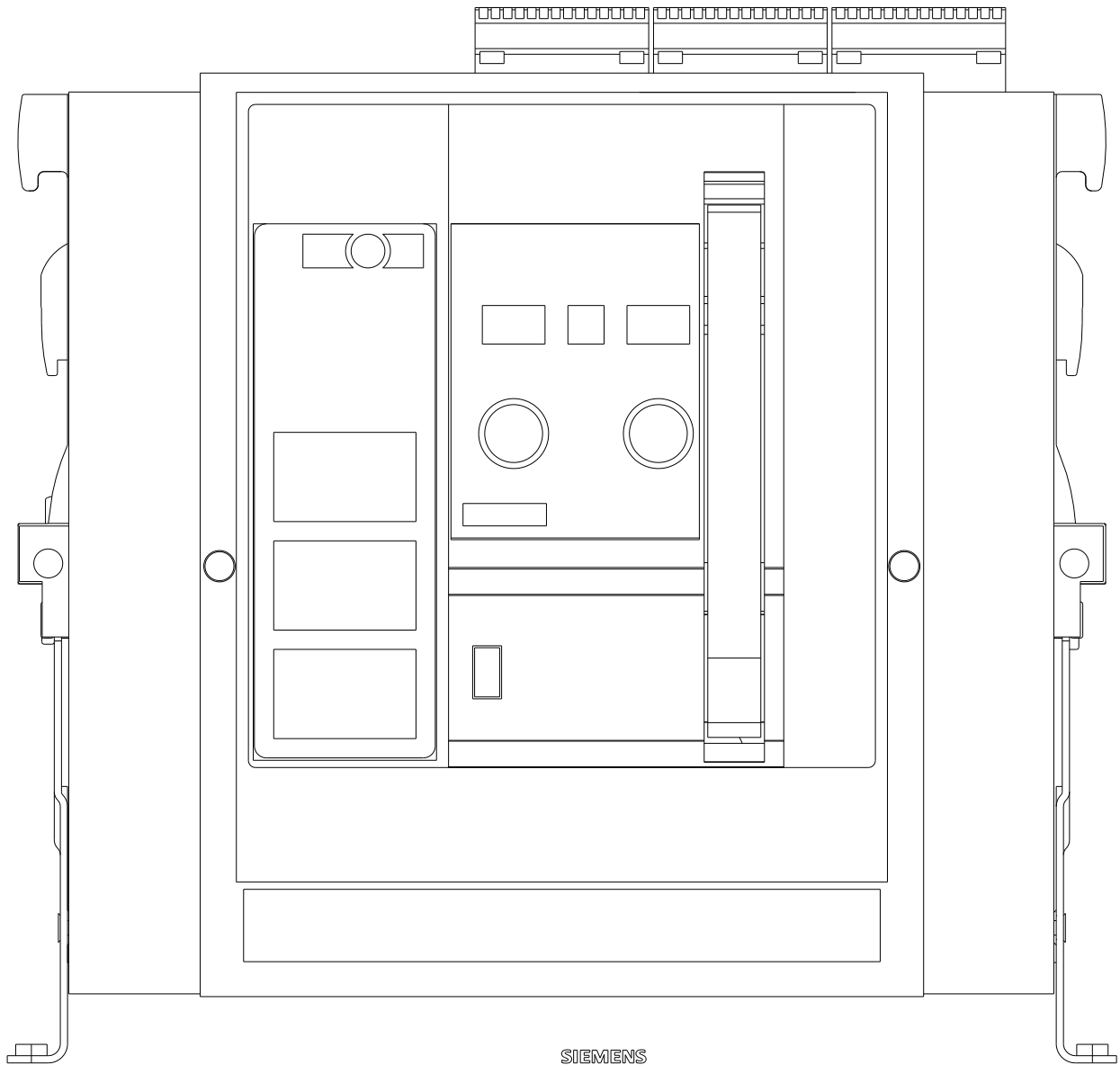


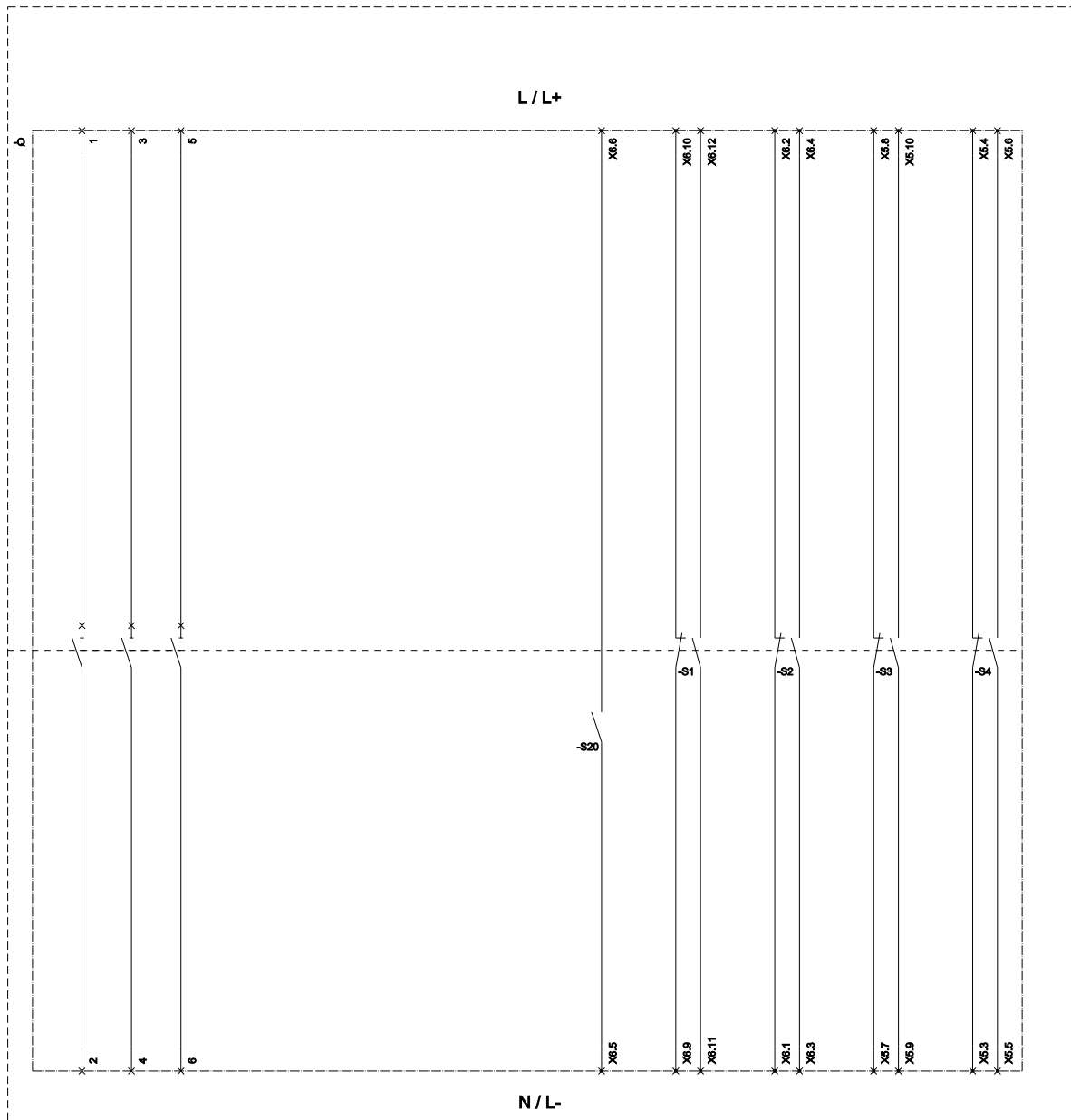
ABS



BUREAU VERITAS

[Manufacturer Declaration](#)

[Confirmation](#)[Transport Information](#)Siemens  
EcoTech**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=3WA1220-1AU02-1AA0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3WA1220-1AU02-1AA0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WA1220-1AU02-1AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1220-1AU02-1AA0)**CAX-Online-Generator**<http://www.siemens.com/cax>**Information- and Downloadcenter (catalogues, leaflets,...)**<http://www.siemens.com/energy-automation>



S1-S8 (AUX: Auxiliary switch / Hilfschalter); S20 (RTC: Ready to close signalling switch / Einschaltbereitschaftsmeldeswitcher);

last modified:

11/17/2024

