



DC non-automatic ACB Fixed-mounted version, IEC 60947-2, frame size 2, 4-poles, $I_n=2000A$ to 1500V DC, Breaking capacity $E I_{cc}=20kA$ at 1500V DC, without electr. trip unit ETU, rear connection horizontal, without Com & metering function with manual and motorized operating mechanism (M) 208-240 V AC / 220-250 V DC, Storage status and ready-to-close signaling switches, Auxiliary switches 2NO+2NC, Closing coil (CC) 100% OP 208-240 V AC / 220-250 V DC, applicable for continuous duty, without Remote trip alarm reset coil (RR), without 2nd shunt trip, Shunt trip (ST) 100% OP 208-240 V AC / 220-250 V DC, suitable for continuous duty,

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	4
position / of neutral conductor	neutral left
fastening method	fixed-mounted circuit breakers
design of the product	DC application
type of the driving mechanism	manual operating mechanism/spring charging motor with spring charge signaling switch
Weight	67.345 kg
Net Weight	54.345 kg
General technical data	
insulation voltage / rated value	1000 V
operating voltage / for main current circuit / at DC / maximum	1000 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	E
conditional short-circuit current (I_{cc}) / for non-automatic air circuit breakers / at DC	
• at 600 V / rated value	20 kA
• at 1000 V / rated value	20 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	

Measuring functions	
measurement function	
• current measurement	Yes
Communication	
communication function	No
Service Life	
mechanical service life (operating cycles)	
• without support / typical	10000
• with support / typical	20000
electrical endurance (operating cycles)	
• at DC / at 1000 V / with support / typical	20000
• at DC / at 1000 V / without support / typical	1000
Dimensions	
height	462 mm
width	590 mm
depth	357 mm
Main connection	
arrangement of electrical connectors / for main current circuit	main connection on the rear, horizontal
Auxiliary circuit	
design of the auxiliary switch	2 NO + 2 NC
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
number of CO contacts / for auxiliary contacts	0
Internal accessories	
product component	
• undervoltage release	No
• voltage trigger	Yes
• trip indicator	No
• motor drive	Yes
Environmental conditions	
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
General Product Approval	EMV



Radio Equipment Type Approval Certificate

Test Certificates

[Miscellaneous](#)



[Miscellaneous](#)

[FCC](#)

[Special Test Certificate](#)

[Miscellaneous](#)

Maritime application

other

Dangerous goods



[Manufacturer Declaration](#)

[Confirmation](#)

[Transport Information](#)

Environment



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=3WA1220-8AU12-4EA4>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3WA1220-8AU12-4EA4>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1220-8AU12-4EA4

CAX-Online-Generator

<http://www.siemens.com/cax>

Information- and Downloadcenter (catalogues, leaflets,...)

<http://www.siemens.com/energy-automation>



