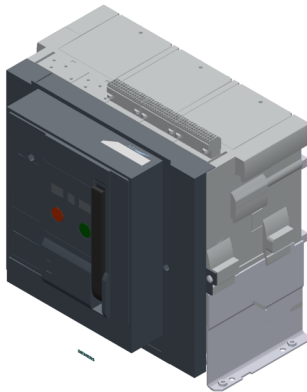








Siemens
EcoTech



Non-automatic circuit breaker Fixed-mounted version, IEC 60947-2, frame size 2, 3-poles, $I_n=2500\text{A}$ up to 690V AC 50/60Hz, breaking capacity M $I_{cc}=85/66\text{kA}$ at 500/690V, 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 2NO+2NC, 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	AC 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	AC application
type of the driving mechanism	manual operating mechanism with mechanical or electrical closing
Weight	55.229 kg
Net Weight	42.229 kg
General technical data	
insulation voltage / rated value	1000 V
operating voltage / at AC / at 50/60 Hz / rated value	690 V
power loss [W] / maximum	270 W
Current	
continuous current / rated value / maximum	2500 A
continuous current / rated value	2500 A
operational current	
• at 40 °C / rated value	2500 A
• at 45 °C / rated value	2500 A
• at 50 °C / rated value	2500 A
• at 55 °C / rated value	2500 A
• at 60 °C / rated value	2500 A
• at 65 °C / rated value	2500 A
• at 70 °C / rated value	2500 A
Switching capacity and short-time withstand current, according to IEC 60947-2	
switching capacity class of the circuit breaker	M
conditional short-circuit current (I_{cc}) / for non-automatic air circuit breakers	
• at AC / at 500 V / rated value	85 kA
• at AC / at 690 V / rated value	66 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 690 V / without support / typical	7500	
• at 690 V / with support / typical	20000	
Dimensions		
height	437 mm	
width	460 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	No	
• trip indicator	No	
• motor drive	No	
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	
Environmental footprint		
Siemens Eco Profile (SEP)	Siemens EcoTech	
Certificates		
reference code		
• according to IEC 81346-2	Q	
Approvals / Certificates		
General Product Approval	EMV	
     		
Radio Equipment Type Approval Certificate	Test Certificates	Maritime application

[Miscellaneous](#)

[Miscellaneous](#)

[Special Test Certificate](#)



Maritime application

other

Dangerous goods



[Confirmation](#)

[Manufacturer Declaration](#)

[Transport Information](#)

Environment



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WA1225-4AA02-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WA1225-4AA02-0AA0>

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

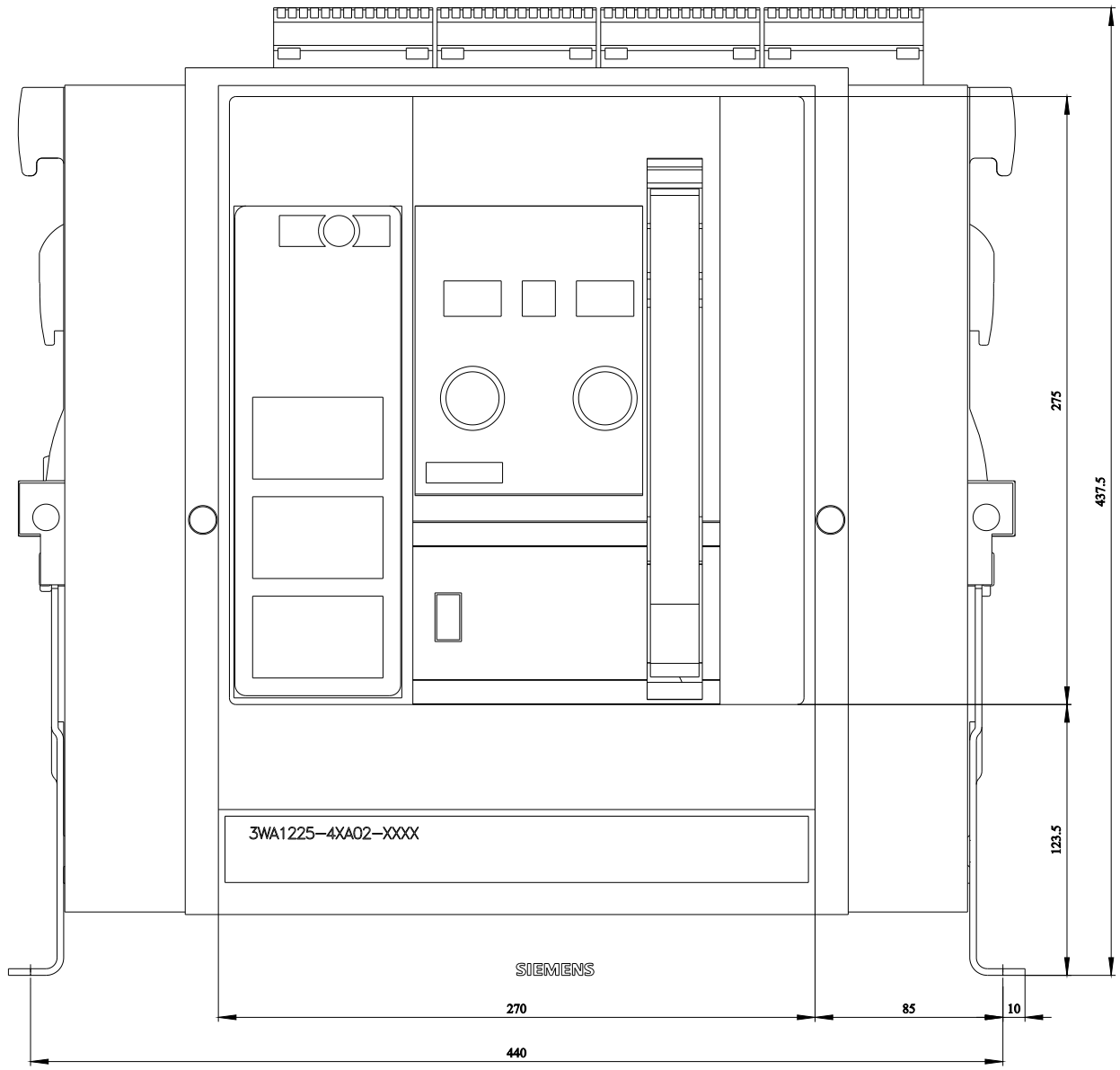
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1225-4AA02-0AA0

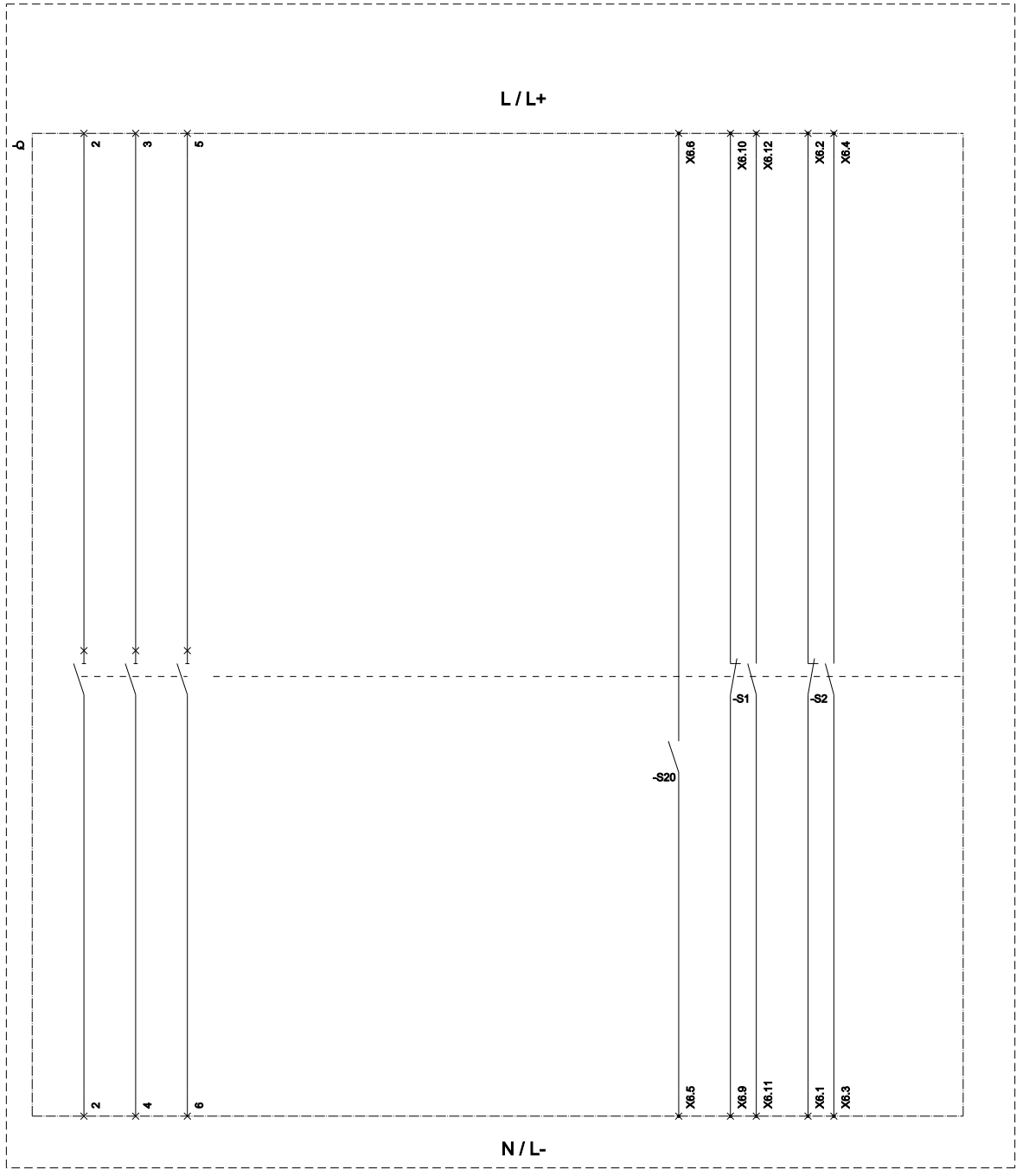
CAx-Online-Generator

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

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

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





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

last modified:

11/24/2025

