

AC non-automatic air circuit breaker 3WA, withdrawable version, with guide frame, IEC 60947-2, size 2, 4-pole, N pole on left,  $I_n=2500$  A up to 690 V AC 50/60 Hz, breaking capacity M  $I_{cc}=85/66$  kA at 500/690 V, without ETU electronic trip unit, connection at rear flange, guide frame with shutter and position signaling switch, 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 4NO+4NC, Closing coil (CC) 100% OP 208-240 V AC / 220-250 V DC, applicable for continuous duty, without Remote trip alarm reset coil (RR), Shunt trip (ST2) 100% OP 208-240 V AC / 220-250 V DC, suitable for continuous duty, Shunt trip (ST) 100% OP 208-240 V AC / 220-250 V DC, suitable for continuous duty, Option C01 = Operations counter for circuit breaker Option R30 = Mechanical interlock to prevent opening of the circuit breaker compartment door, if ACB is closed; for withdrawable design. Option T40 = Door sealing frame IP41

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	4
position / of neutral conductor	neutral left
fastening method	withdrawable circuit breaker
design of the product	AC application
type of the driving mechanism	manual operating mechanism/spring charging motor with spring charge signaling switch
Weight	110.84 kg
Net Weight	97.84 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	520 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 70 °C / rated value	2280 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	
<b>L: Overload protection N-conductor</b>	
<b>S: delayed short-circuit protection ST</b>	

<b>S: delayed short-circuit protection ST, settings values I0t</b>	
<b>S: delayed short-circuit protection ST, settings values I2t</b>	
<b>G: ground fault GF</b>	
<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 690 V / without support / typical	7500
• at 690 V / with support / typical	20000
<b>Dimensions</b>	
height	468 mm
width	590 mm
depth	471 mm
<b>Main connection</b>	
arrangement of electrical connectors / for main current circuit	main connection, connecting flange
<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	Yes
• trip indicator	No
• motor drive	Yes
<b>Environmental conditions</b>	
protection class IP / on the front	IP41
ambient temperature / during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
<b>Certificates</b>	
reference code / according to IEC 81346-2	Q
<b>Approvals / Certificates</b>	
<b>Environment</b>	<b>General Product Approval</b>



General Product Approval

EMV

Radio Equipment  
Type Approval Certificate

Test Certificates

[Confirmation](#)



EG-Konf.



RCM

[Miscellaneous](#)

[Special Test Certificate](#)

Test Certificates Maritime application

[Miscellaneous](#)



Maritime application other

[CCS \(China Classification Society\)](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Manufacturer Declaration](#)

[Confirmation](#)



Dangerous goods

[Transport Information](#)

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>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WA1225-4AA74-8EE4-Z C01+R30+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WA1225-4AA74-8EE4-Z C01+R30+T40>

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

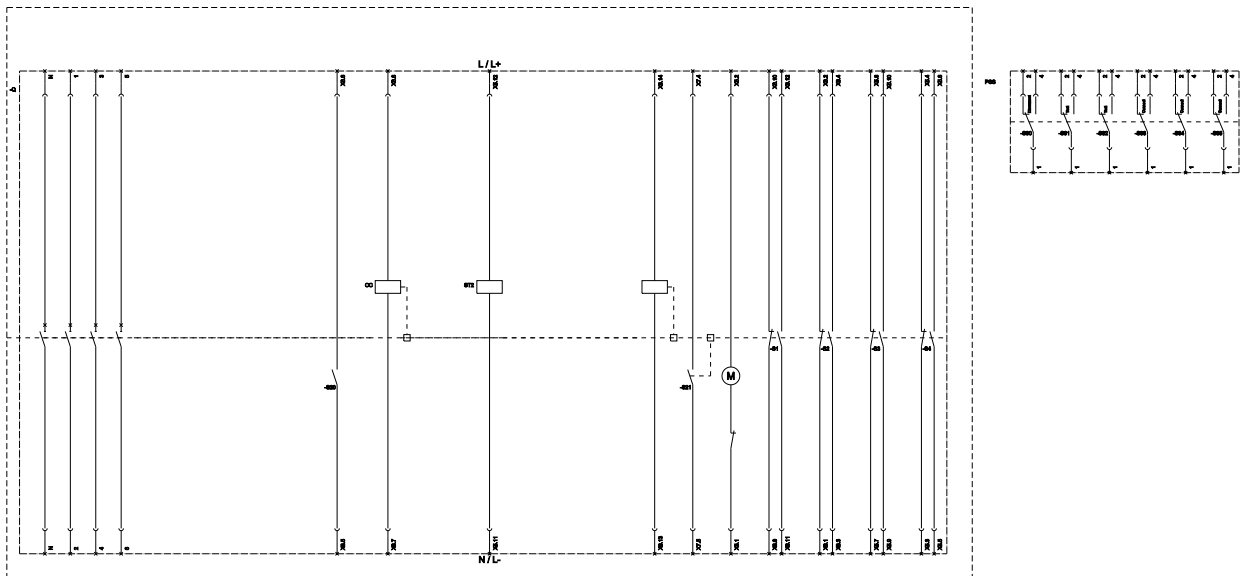
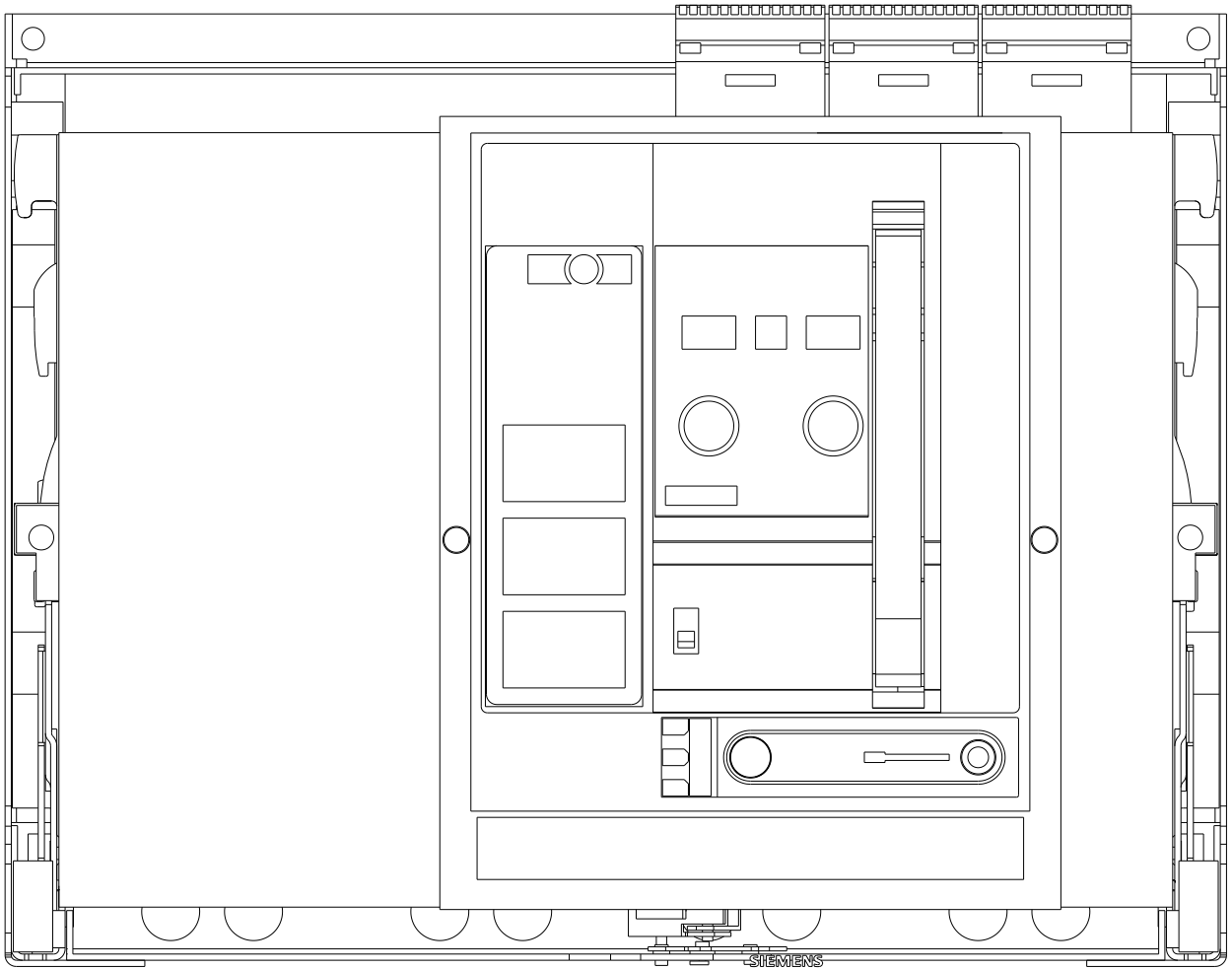
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CAX-Online-Generator

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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