

Non-automatic circuit breaker withdrawable version, with guide frame, IEC 60947-2, frame size 1, 4-poles, N-pole left,  $I_n=800A$  up to 690V AC 50/60Hz, breaking capacity  $N I_{cc}=55/42kA$  at 500/690V, without electr. trip unit ETU, rear connection horizontal, guide frame with shutter and position signal. switch (3xW), 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), without 2nd shunt trip, Shunt trip (ST) 100% OP 208-240 V AC / 220-250 V DC, suitable for continuous duty, Option S33 = Locking provision for Padlock device for charging handle padlocks are not included 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	I
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	82.378 kg
Net Weight	69.378 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	85 W
Current	
continuous current / rated value / maximum	800 A
continuous current / rated value	800 A
operational current	
• at 40 °C / rated value	800 A
• at 45 °C / rated value	800 A
• at 50 °C / rated value	800 A
• at 55 °C / rated value	800 A
• at 60 °C / rated value	800 A
• at 65 °C / rated value	800 A
• at 70 °C / rated value	800 A
Switching capacity and short-time withstand current, according to IEC 60947-2	
switching capacity class of the circuit breaker	N
conditional short-circuit current ( $I_{cc}$ ) / for non-automatic air circuit breakers	
• at AC / at 500 V / rated value	55 kA
• at AC / at 690 V / rated value	42 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 <math>I_{0t}</math></b>	
<b>S: delayed short-circuit protection ST, settings values <math>I_{2t}</math></b>	
<b>G: ground fault GF</b>	

Measuring functions	
measurement function	
• current measurement	Yes
Communication	
communication function	No
Service Life	
mechanical service life (operating cycles)	
• without support / typical	15000
• with support / typical	30000
electrical endurance (operating cycles)	
• at 690 V / without support / typical	10000
• at 690 V / with support / typical	30000
Dimensions	
height	468 mm
width	410 mm
depth	471 mm
Main connection	
arrangement of electrical connectors / for main current circuit	main connection on the rear, horizontal
Auxiliary circuit	
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
Internal accessories	
product component	
• undervoltage release	No
• voltage trigger	Yes
• trip indicator	No
• motor drive	Yes
Environmental conditions	
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

**General Product Approval**

EMV



**Radio Equipment Type Approval Certificate**

**Test Certificates**

[Miscellaneous](#)



[Miscellaneous](#)

[FCC](#)

[Miscellaneous](#)

[Special Test Certificate](#)

**Maritime application**

other



other

Dangerous goods

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=3WA1108-2AA72-8EA4-Z S33+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WA1108-2AA72-8EA4-Z S33+T40>

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

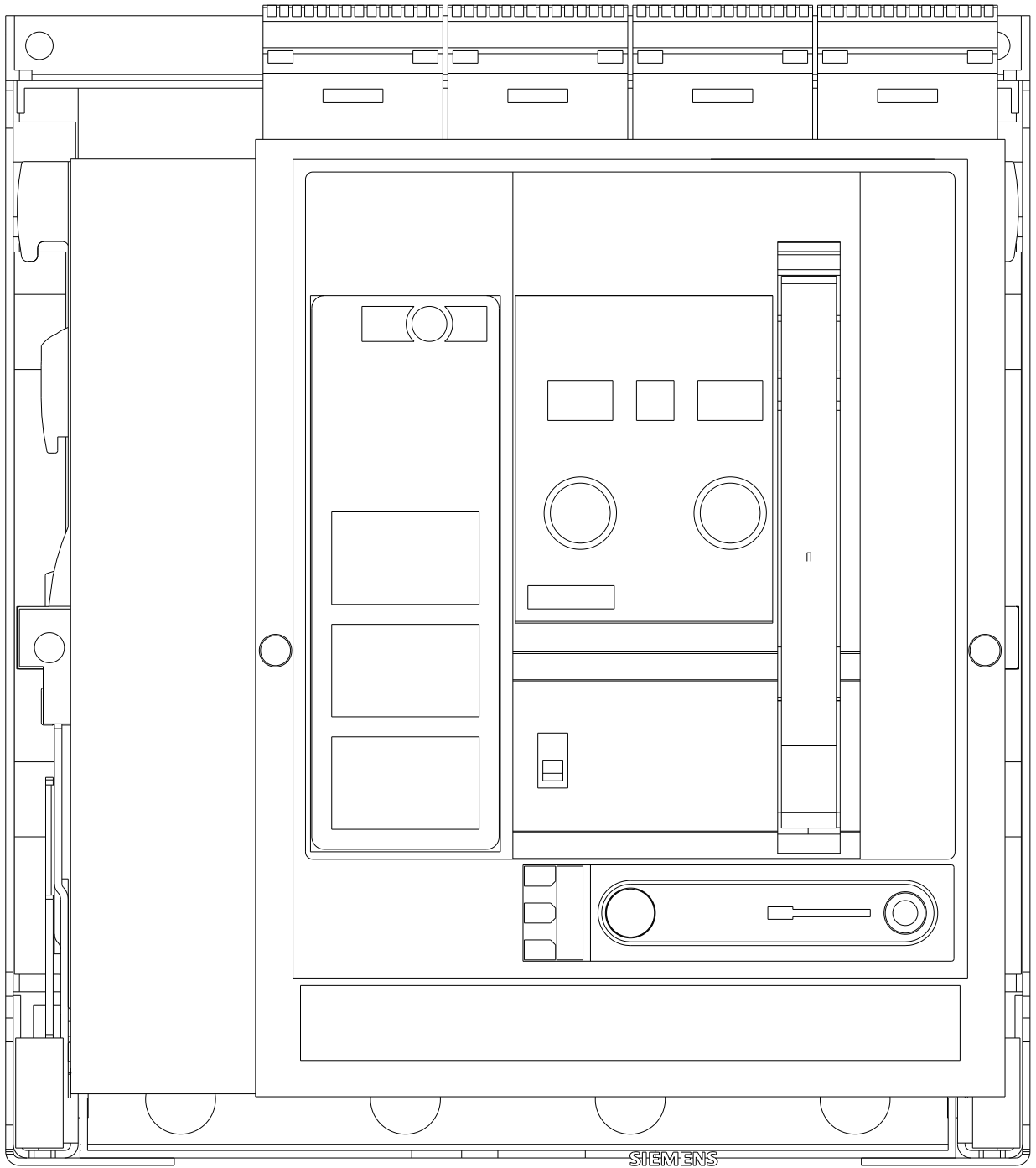
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WA1108-2AA72-8EA4-Z S33+T40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1108-2AA72-8EA4-Z S33+T40)

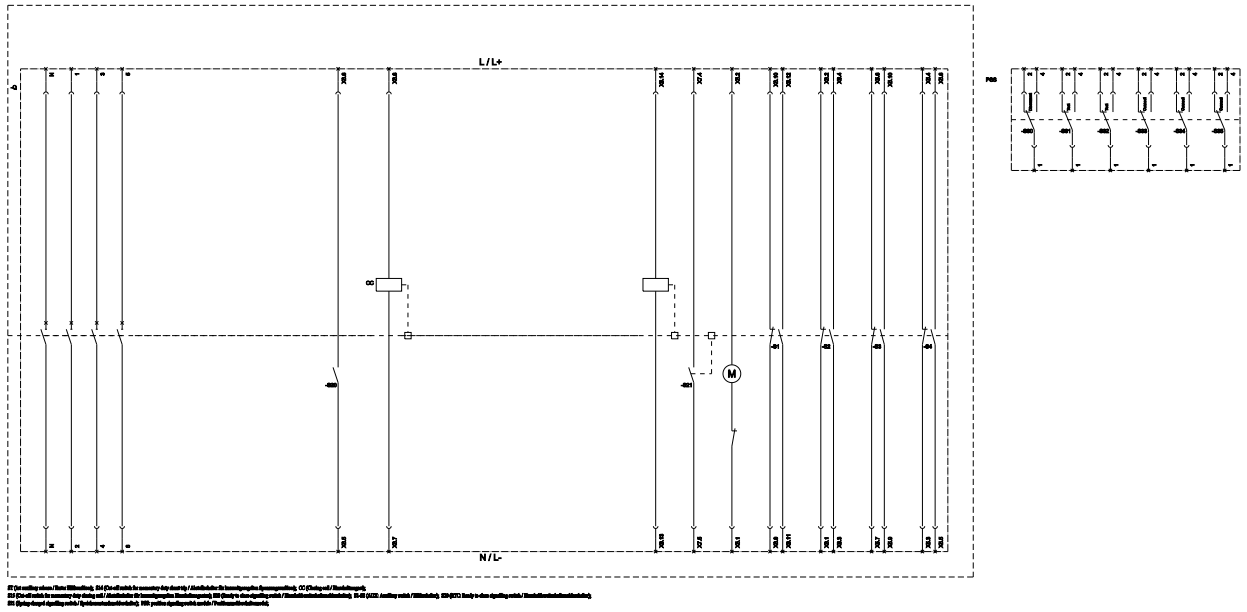
**CAX-Online-Generator**

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

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

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





last modified:

9/8/2025

