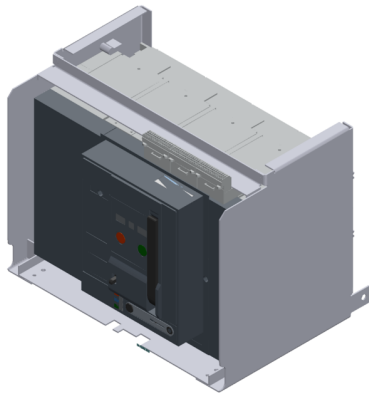


Siemens  
EcoTech



Non-automatic circuit breaker withdrawable version, with guide frame, IEC 60947-2, frame size 2, 4-poles, N-pole left,  $I_n=2500A$  up to 690V AC 50/60Hz, breaking capacity  $S_{Icc}=66/50kA$  at 500/690V, without electr. trip unit ETU, rear connection horizontal, guide frame with shutter and w/o position signalling 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 signalling switches, Auxiliary switches 4NO+4NC, Closing coil (CC) 100% OP 110-127 V AC / 110-125 V DC, applicable for continuous duty, without Remote trip alarm reset coil (RR), without 2nd shunt trip, Shunt trip (ST) 100% OP 110-127 V AC / 110-125 V DC, suitable for continuous duty,

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 signalling switch
Weight	112.011 kg
Net Weight	99.011 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	S
conditional short-circuit current ( $I_{cc}$ ) / for non-automatic air circuit breakers	
• at AC / at 500 V / rated value	66 kA
• at AC / at 690 V / rated value	50 kA
Basic protection functions	
L: Overload protection N-conductor	
S: delayed short-circuit protection ST	
S: delayed short-circuit protection ST, settings values $I_{0t}$	

<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 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	Yes
• trip indicator	No
• motor drive	Yes
<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



EG-Konf.



VDE



RCM

Radio Equipment Type Approval Certificate	Test Certificates	Maritime application
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[Miscellaneous](#)

[Special Test Certificate](#)

[Miscellaneous](#)



ABS



BUREAU VERITAS



DNV

[Confirmation](#)[Manufacturer Declaration](#)[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=3WA1225-3AA42-8DA3>

## Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3WA1225-3AA42-8DA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WA1225-3AA42-8DA3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1225-3AA42-8DA3)

## CAx-Online-Generator

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

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

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