## SIEMENS

## Data sheet

## 3VA5110-4GD41-0AA0



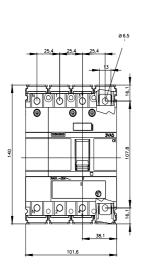
circuit breaker 3VA5 UL frame 125 breaking capacity class S 25kA @ 480V 4-pole, line protection TM210, FTFM, In=100A overload protection Ir=100A fixed short-circuit protection Ii=10 x In N conductor protection 100% without connection

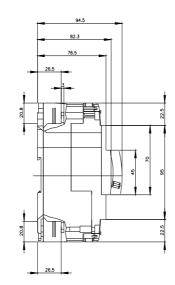
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	SEAS
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type)	No
design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)	No
design of the overcurrent release	TM210
protection function of the overcurrent release	L
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	23 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.6 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	8 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 000
electrical endurance (operating cycles) / at 480 V	8 000
electrical endurance (operating cycles) / at 600 V	4 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	without
product function	
<ul> <li>communication function</li> </ul>	No
<ul> <li>other measurement function</li> </ul>	No
Net Weight	952 g
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	100 A
● at 45 °C	98 A
● at 50 °C	95 A
• at 55 °C	93 A
• at 60 °C	91 A
● at 65 °C	89 A

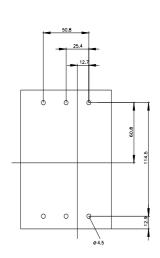
• at 70 °C	87 A		
Switching capacity according to IEC 60947			
switching capacity class of the circuit breaker	S		
maximum short-circuit current breaking capacity (Icu)			
• at 240 V	55 kA		
• at 415 V	36 kA		
• at 690 V	5 kA		
operating short-circuit current breaking capacity (lcs)			
• at 240 V	55 kA		
• at 415 V	36 kA		
• at 690 V	5 kA		
short-circuit current making capacity (Icm)			
• at 240 V	121 kA		
• at 415 V	75.6 kA		
• at 690 V	7.5 kA		
design of short-circuit protection	For switching power values in DC networks, see the 3VA molded case circuit breaker device manual; link to be found under Service & Support in the last chapter		
Switching capacity according to UL 489			
current breaking capacity			
• at 240 V	65 kA		
● at 480 V	25 kA		
• at 600 Y/347 V	14 kA		
Adjustable parameters			
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic			
• minimum	100 A		
• maximum	100 A		
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic			
• minimum	1 s		
• maximum	1 s		
adjustable response value setting current (li) / for I-tripping			
• minimum	1 000 A		
• maximum	1 000 A		
adjustable setting current (InN) / for N-tripping			
• minimum	100 A		
• maximum	100 A		
adjustable current response value current / of the current- dependent overload release	100 100 A		
design of the N-conductor protection	100%		
product function / grounding protection	No		
Mechanical Design			
product component			
undervoltage release	No		
voltage trigger	No		
trip indicator	No		
height [in]	5.51 in		
height	140 mm		
width [in]	4 in		
width	101.6 mm		
depth [in]	3.01 in		
depth	76.5 mm		
Connections			
arrangement of electrical connectors / for main current circuit	Without connection		
type of electrical connection / for main current circuit	Without		
Auxiliary circuit			
number of CO contacts / for auxiliary contacts	0		
Accessories			
product extension / optional / motor drive	Yes		
Environmental conditions			
protection class IP / on the front	IP40		

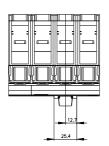
ambient temperature	minimum	-25 °C				
<ul> <li>during operation /</li> <li>during operation /</li> </ul>		-25 C 70 °C				
<ul> <li>during operation /</li> <li>during storage / m</li> </ul>		-40 °C				
0 0		-40 °C 80 °C				
<ul> <li>during storage / m</li> <li>Certificates</li> </ul>		00 C				
		0				
reference code / accordi		Q				
Confirmation			<b>U</b>		<u>Miscellaneous</u>	
General Product Ap- proval	EMC	Declaration of Conform	nity	Test Certificates	Marine / Shipping	
EHC	RCM	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	ABS	
Marine / Shipping				other		
BUREAU VERITAS	1Å DNV	Llovd's Register uis	RMRS RMRS	<u>Miscellaneous</u>	<u>Confirmation</u>	
other						
<u>Miscellaneous</u>						
Further information						
Siemens has decided to exit the Russian market (see here).						
https://press.siemens.co	m/global/en/pressreleas	se/siemens-wind-down-russ	ian-business			
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).						
Information on the packaging						
https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)						
http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system)						
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA5110-4GD41-0AA0						
Service&Support (Manuals, Certificates, Characteristics, FAQs,)						
	https://support.industry.siemens.com/cs/ww/en/ps/3VA5110-4GD41-0AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,)					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5110-4GD41-0AA0						

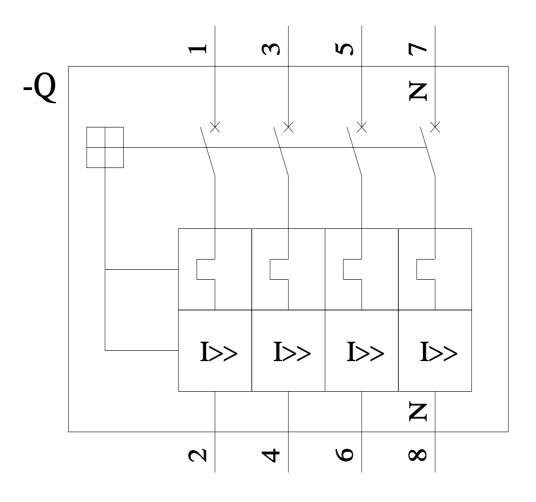
CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

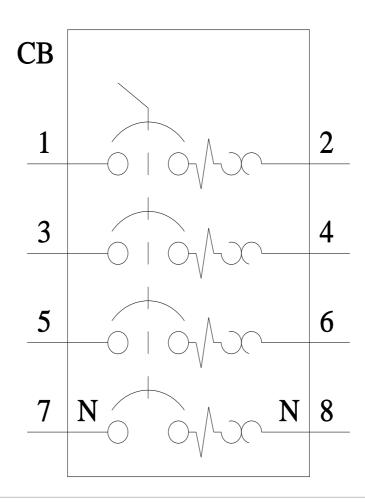












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