3VA5211-7EC36-0AA0

Data sheet



circuit breaker 3VA5 UL frame 250 breaking capacity class C 100kA @ 480 V 3-pole, line protection TM230, FTAM, In=110A overload protection Ir=110A fixed short-circuit protection Ii=5...10 x In cable connection on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CFAS
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	TM230
protection function of the overcurrent release	Ш
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	750 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	7.53 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	
 communication function 	No
other measurement function	No
Net Weight	2.308 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	110 A
● at 45 °C	107 A
● at 50 °C	104 A
● at 55 °C	100 A
• at 60 °C	97 A
● at 65 °C	94 A

Setfoling capacity according to IIC 49947 withing capacity class of the stroit breaker and and a set of 190 V 200 kA • 14 45 V 110 kA • 1 400 V 200 kA • 14 45 V 110 kA • 1 400 V 200 kA • 14 45 V 200 kA • 14 15 V 200 kA • 14 15 V 240 kA • 1 10 kA	● at 70 °C	91 A
awtoring capacity class of the croat breaker manner short-croat current breaking capacity ((au) • at 240 V • at 415 V • at		
maximum short-circuit current breaking capacity (lou) • 12415 V • 1415 V • 1600 V • 1240 V • 200 kA • 12140 V • 12140 V • 12160 V • 12		C
e at 240 V 10 kA 15 V 110 kA 10 kA 1		
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e at 415 V 10 kA 100 V 10 kA 1		200 kA
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current breaking capacity	design of short-circuit protection	breaker device manual; link to be found under Service & Support in the last
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Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes	arrangement of electrical connectors / for main current circuit	Front connection
number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	• •	circular conductor terminal on both sides
Accessories product extension / optional / motor drive Yes	Auxiliary circuit	
product extension / optional / motor drive Yes	number of CO contacts / for auxiliary contacts	0
	Accessories	
Environmental conditions	· · · · · · · · · · · · · · · · · · ·	Yes
	Environmental conditions	

protection class IP / on the front	IP40	
ambient temperature		
during operation / minimum	-25 °C	
 during operation / maximum 	70 °C	
 during storage / minimum 	-40 °C	
 during storage / maximum 	80 °C	
Certificates		
reference code / according to IEC 81346-2	Q	
General Product Approval		

Confirmation







Miscellaneous



EMC Declaration of Conformity Marine / Shipping other









Miscellaneous

Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-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=3VA5211-7EC36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5211-7EC36-0AA0

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

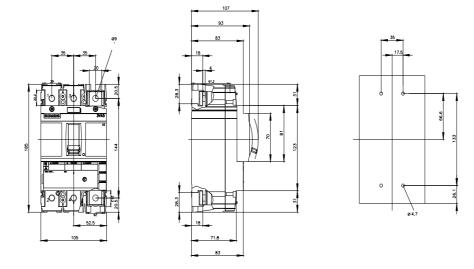
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5211-7EC36-0AA0

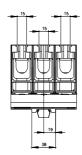
CAx-Online-Generator

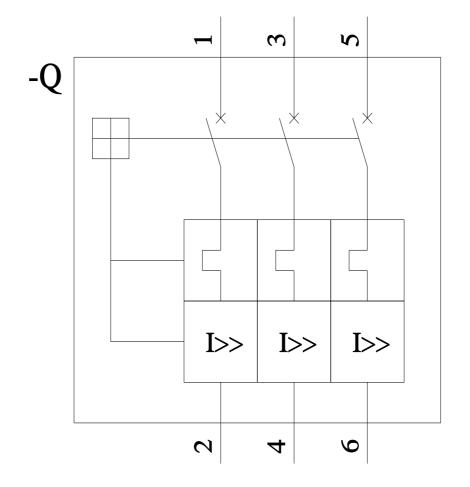
http://www.siemens.com/cax

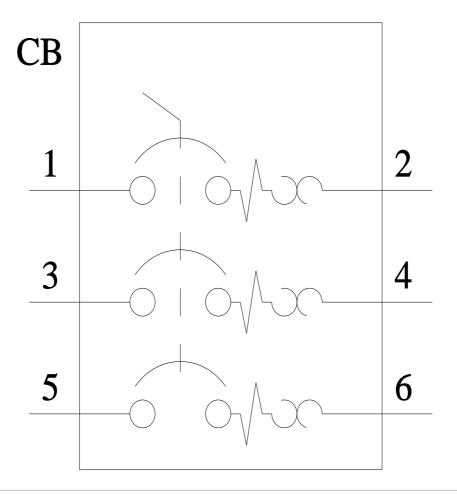
Tender specifications

http://www.siemens.com/specifications









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