3VA5210-7ED36-1AA0

Data sheet



circuit breaker 3VA5 UL frame 250 breaking capacity class C 100kA @ 480 V 3-pole, line protection TM210, FTFM, In=100A overload protection Ir=100A fixed short-circuit protection Ii=10 x In UL489 SB (naval), 50 deg. cel. cable connection on both sides

Model			
product brand name	SENTRON		
product designation	Molded-case circuit breaker		
product designation / according to UL file	CFAM		
Product version	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	LI		
number of poles	3		
General technical data			
operating voltage / at AC / rated value	690 V		
power loss [W] / maximum	32 W		
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	10.53 W		
mechanical service life (switching cycles) / typical	20 000		
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	8 000		
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000		
electrical endurance (switching cycles) / at 480 V	8 000		
electrical endurance (switching cycles) / at 600 V	4 000		
Neutral conductors / upgradeable/retrofittable	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	100 A		
● at 45 °C	97 A		
● at 50 °C	95 A		
● at 55 °C	92 A		
• at 60 °C	89 A		

• at 70 °C Switching capacity according to IEC 60947 Switching capacity class of the circuit breaker design of short-circuit protection circuit breaker device manual; link to be found under Service & Support in the last chapter switching capacity according to UL 489 breaking capacity current • at 240 V • at 480 V • at 480 V • at 480 V • at 460 V • at 600 V	● at 65 °C	87 A					
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during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB Yes	during operation / maximum	70 °C					
Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	 during storage / minimum 	-40 °C					
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	 during storage / maximum 	80 °C					
combat vessels) / supplement SB	Certificates						
General Product Approval EMC Declaration of Conformity		Yes					
	General Product Approval		EMC	Declaration of Conformity			



Confirmation









Marine / Shipping

other

Miscellaneous



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=3VA5210-7ED36-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5210-7ED36-1AA0

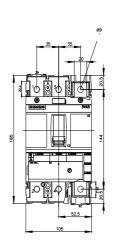
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5210-7ED36-1AA0

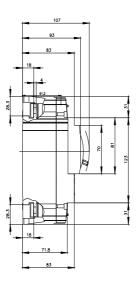
CAx-Online-Generator

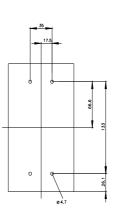
http://www.siemens.com/cax

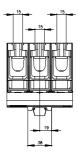
Tender specifications

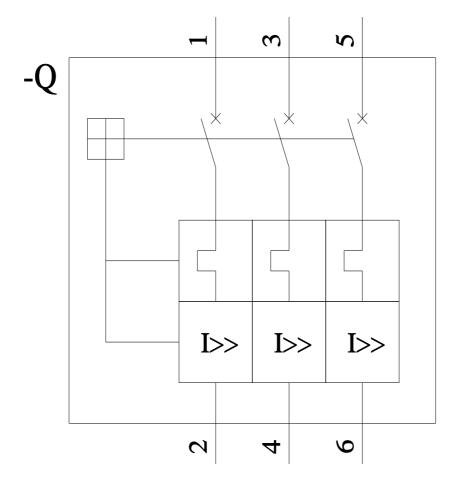
http://www.siemens.com/specifications

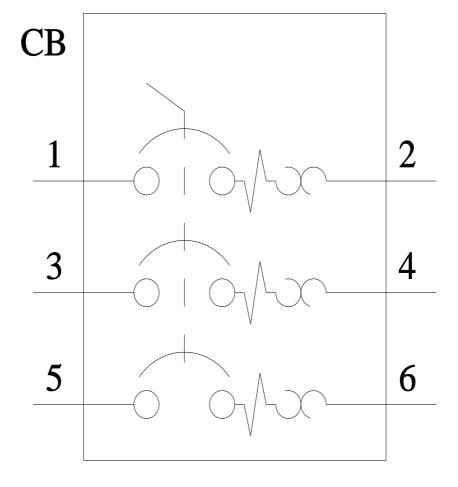












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