3VA5222-7EC36-1AA0

Data sheet



circuit breaker 3VA5 UL frame 250 breaking capacity class C 100kA @ 480 V 3-pole, line protection TM230, FTAM, In=225A overload protection Ir=225A fixed short-circuit protection Ii=5...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	TM230		
protection function of the overcurrent release	Ц		
number of poles	3		
General technical data			
operating voltage / at AC / rated value	690 V		
power loss [W] / maximum	51 W		
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	17.07 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	225 A		
● at 45 °C	220 A		
● at 50 °C	216 A		
● at 55 °C	211 A		
• at 60 °C	206 A		

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product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -25 °C	number of CO contacts / for auxiliary contacts	0	0				
Environmental conditions protection class IP / on the front IP40 ambient temperature • during operation / minimum -25 °C	Accessories						
protection class IP / on the front ambient temperature during operation / minimum -25 °C	product extension / optional / motor drive	Yes	Yes				
ambient temperature ● during operation / minimum -25 °C	Environmental conditions						
• during operation / minimum -25 °C	protection class IP / on the front	IP40	IP40				
	ambient temperature						
during operation / maximum 70 °C	 during operation / minimum 	-25 °					
	during operation / maximum	70 °C	70 °C				
• during storage / minimum -40 °C	 during storage / minimum 	-40 °C					
• during storage / maximum 80 °C	 during storage / maximum 	80 °C					
Certificates	Certificates						
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB		Yes					
General Product Approval EMC Declaration of Conformity	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=3VA5222-7EC36-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5222-7EC36-1AA0

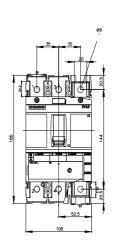
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5222-7EC36-1AA0

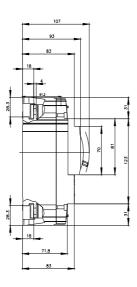
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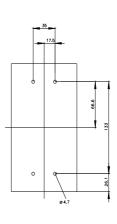
http://www.siemens.com/cax

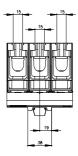
Tender specifications

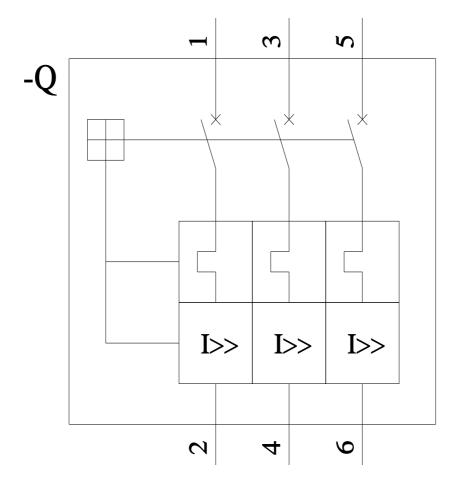
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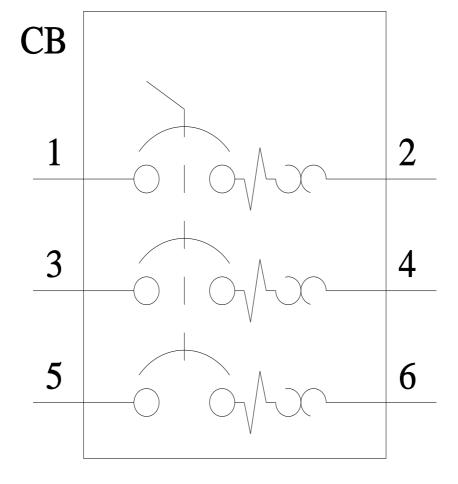












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