3VA5215-5EC36-1AA0

Data sheet



circuit breaker 3VA5 UL frame 250 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM230, FTAM, In=150A overload protection Ir=150A 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	MFAM			
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	LI			
number of poles	3			
General technical data				
operating voltage / at AC / rated value	690 V			
power loss [W] / maximum	30 W			
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	9.7 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	2.2 kg			
Current				
marking / according to UL 489 / 100%-rated breaker	No			
operational current				
• at 40 °C	150 A			
● at 45 °C	146 A			
● at 50 °C	141 A			
● at 55 °C	137 A			
• at 60 °C	132 A			

at 70 °C Switching capacity according to IEC 60947 Switching capacity class of the circuit breaker design of short-circuit protection switching capacity class of the circuit breaker 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 500 °V a	• at 65 °C	128 A	4				
Switching capacity according to IEC 60947 switching capacity class of the circuit breaker 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 breaking capacity according to UL 489 break							
switching capacity class of the circuit breaker design of short-circuit protection design of short-circuit protection Switching capacity according to UL 489 breaking capacity current at 240 V at 480 V at 480 V at 560 V Adjustable parameters Adjustable parameters Adjustable response value current / ig min. Adjustable response value current / ig min. Height [in] Height 185 mm width [in] Width 105 mm depth [in] depth [in] connections arrangement of electrical connectors / for main current circuit Type of connectable conductor cross-section, round conductor terminal, stranded Auxiliary circuit Product component undervoltage release voltage trigger of undervoltage release voltage trigger voltage trigger of undervoltage release voltage trigger of under		1207					
Switching capacity according to UL 489		M					
breaking capacity current at 240 V at 480 V at 480 V 35 kA Adjustable personse value current / Ig min. Adjustable response value current / Ig min. Adjustable response value current / Ig min. 150 A Adjustable response value current / Ig min. Adjustable response value current / Ig min. Adjustable response value current / Ig min. Front Comediate It protection / tripping switchable / Izt=ON/OFF No Mechanical Design height [in] 7.28 in Height 185 mm Width 105 mm depth 195 mm Midth 105 mm depth 105 mm depth 107 main current circuit Front connections arrangement of electrical connectors / for main current circuit type of electrical connector / for main current circuit Type of connectable conductor cross-section, round conductor terminal, stranded Auxiliary circuit product component Undervoltage release Voltage trigger		For switching power values in DC networks, see the 3VA molded case circuit breaker device manual; link to be found under Service & Support					
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product component • undervoltage release • voltage trigger • trip indicator number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / maximum -25 °C • during operation / maximum 70 °C • during storage / minimum -40 °C • during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB		1 x (6 AWG - 350 kcmil)					
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voltage trigger trip indicator number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature during operation / minimum during operation / maximum during storage / minimum during storage / maximum during storage / maximum during storage / maximum combat vessels) / supplement SB No Yes	product component						
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number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -25 °C • during operation / maximum 70 °C • during storage / minimum -40 °C • during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	 voltage trigger 	No	No				
product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -25 °C • during operation / maximum 70 °C • during storage / minimum -40 °C • during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	trip indicator	No	No				
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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 						
Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	during storage / minimum						
certificate of suitability / as approval for NAVAL (no Yes 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=3VA5215-5EC36-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5215-5EC36-1AA0

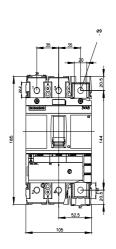
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5215-5EC36-1AA0

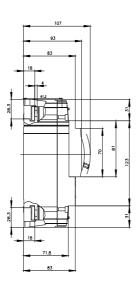
CAx-Online-Generator

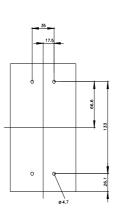
http://www.siemens.com/cax

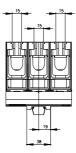
Tender specifications

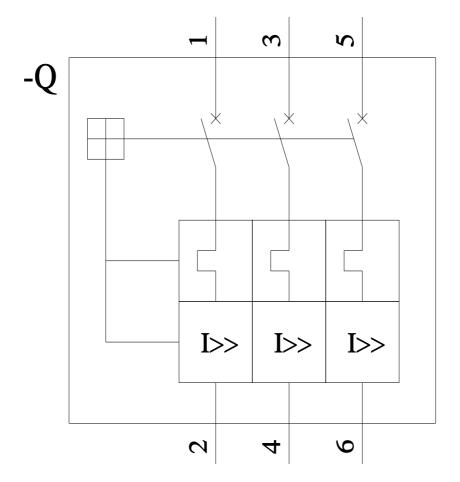
http://www.siemens.com/specifications

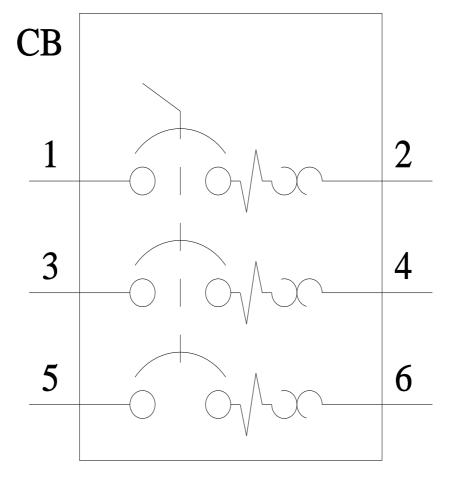












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