SIEMENS

Data sheet

3VA5225-0MH36-0AA0



circuit breaker 3VA5 UL frame 250 3-pole, starter protection TM120M, AM, In=200A without overload protection short-circuit protection li=6...12 x In cable connection on both sides

Model		
product brand name	SENTRON	
product designation	Molded-case circuit breaker	
product designation / according to UL file	HFAP	
design of the product	Starter 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	TM120M	
protection function of the overcurrent release	- I	
number of poles	3	
General technical data		
insulation voltage / rated value	800 V	
operating voltage / at AC / rated value	690 V	
power loss [W] / maximum	58 W	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	19.33 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	
 phase failure detection 	No	
 other measurement function 	No	
Net Weight	2.308 kg	
Current		
marking / according to UL 489 / 100%-rated breaker	No	
Switching capacity according to IEC 60947		
maximum short-circuit current breaking capacity (Icu)		
• at 240 V	100 kA	
• at 415 V	70 kA	
• at 690 V	10 kA	
operating short-circuit current breaking capacity (Ics)		
• at 240 V	100 kA	

	• at 415 V	70 kA
sheat-could current making capacity (Icm) e. 4240 Y 220 kA 154 kA 77 kA For switching power values in DC networks, see the 3VA molded case circuit for design of short-circuit protection for design of short-circuit		
e. 24 240 V e. 2420 V e. 2400 A e. 2400		
 e1 44 50 V e3 650 V Federal of biot-circuit protection Federal circuit protecircuit dase Federal circuit protecircuit		220 kA
design of short-circuit protection For watching power values in DC networks, see the 3VA moded case circuit chapter Adjustable parameters equipted areapone value deby time (tr) / for L-tripping / with 12 interacting in the last interaction interac		
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	● maximum	1 s
	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (InN) / for N-tripping 0 A OA O	• minimum	1 250 A
	• maximum	2 500 A
	adjustable setting current (InN) / for N-tripping	
product function / grounding protection No Mechanical Dosign product component No • undervoltage release No • voltage trigger No • trip indicator No height [m] 7.28 in height [m] 4.13 in type of connectable conductor cross-sections / of the round 1 x (6 AWG - 350 kcmit) conductor terminal / stranded 105 mm width [n] 3.27 in deepth 33 27 in deepth 83 mm Connections Auxiliary clear conductor terminal / stranded Vision of electrical connectors / for main current circuit Product connectors / for main current circuit Auxiliary clear conductor terminal on both sides Auxiliary contacts 0 0 Auxiliary clear conductor terminal on both sides Auxiliary clear conductor terminal on both sides Auxiliary clear conductor terminal on both sides Auxiliary clear conductor termi	• minimum	0 A
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product component <ud> <ud> <ud> <ud> undervoltage release voltage trigger trip indicator No height 185 mm width [in] 7.28 in height 4.13 in try for connectable conductor cross-sections / of the round conduct reminal / stranded width 105 mm depth [in] depth [in]</ud></ud></ud></ud>	Mechanical Design	
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certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB Yes General Product Approval EMC Confirmation Image: Complement SB Cccc Miscellaneous Upunct Image: Complement SB	Certificates	
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Confirmation $(C_{CCC})^{Miscellaneous}$ $(C_{RCM})^{Miscellaneous}$ $(C_{RCM})^{Miscellaneous}$	vessels) / supplement SB	
	General Product Approval	EMC
Declaration of Conformity Marine / Shipping other		Miscellaneous Effe RCM
	Declaration of Conformity Marine / Shipp	other







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=3VA5225-0MH36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5225-0MH36-0AA0

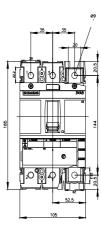
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5225-0MH36-0AA0

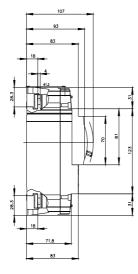
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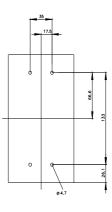
http://www.siemens.com/cax

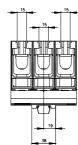
Tender specifications

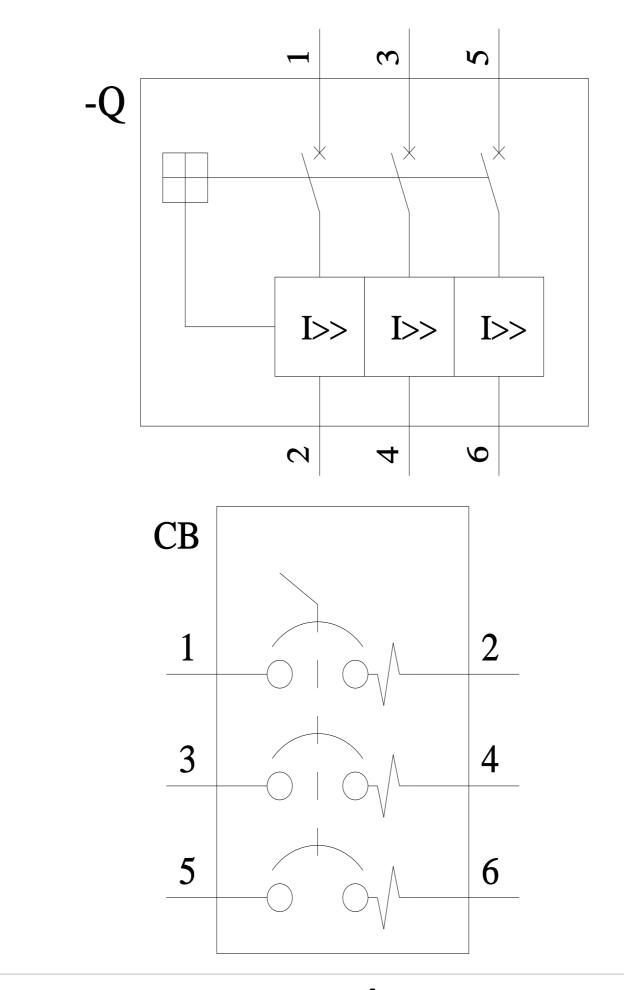
http://www.siemens.com/specifications











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