3VA5225-0MH32-0AA0

Data sheet



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 nut keeper kit on both sides

Model				
product brand name	SENTRON			
product designation	Molded-case circuit breaker			
product designation / according to UL file	HFAP			
Product version	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	L			
number of poles	3			
General technical data				
rated insulation voltage Ui	800 V			
operating voltage / at AC / rated value	690 V			
power loss [W] / maximum	58 W			
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	19.33 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			
 phase failure detection 	No			
other measurement function	No			
Net Weight	2.252 kg			
Current				
marking / according to UL 489 / 100%-rated breaker	No			
Switching capacity according to IEC 60947				
breaking capacity maximum short-circuit current (Icu)				
• at 240 V	100 kA			
● at 415 V	70 kA			

• at 690 V	10 k/	A			
breaking capacity operating short-circuit current (lcs)					
• at 240 V	100 kA				
• at 415 V	70 kA				
● at 690 V	10 kA				
short-circuit current making capacity (Icm)					
• at 240 V	220 kA				
• at 415 V	154 kA				
• at 690 V	17 kA				
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				
Adjustable parameters					
Ground fault protection / tripping switchable / I2t=ON/OFF	No				
Mechanical Design					
height [in]	7.28	in			
Height	185 mm				
width [in]	4.13	in			
Width	105 mm				
depth [in]	3.27 in				
depth	83 mm				
Connections					
arrangement of electrical connectors / for main current circuit	Front connection				
type of electrical connection / for main current circuit	nut keeper kit on both ends				
Type of connectable conductor cross-section, connection screw, width x thickness , min.	13 x 1 mm				
Type of connectable conductor cross-section, connection screw, width x thickness , max.	25 x 8 mm				
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver				
Auxiliary circuit					
product component					
undervoltage release	No				
 voltage trigger 	No				
trip indicator	No				
number of CO contacts / for auxiliary contacts	0	0			
Accessories					
product extension / optional / motor drive	Yes				
Environmental conditions					
protection class IP / on the front	IP40	IP40			
ambient temperature	13	II TV			
during operation / minimum	-25 °	-25 °C			
during operation / maximum		70 °C			
during operation/ maximum during storage / minimum	-40 °C				
during storage / maximum	80 °C				
Certificates					
reference code / according to IEC 81346-2	Q				
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes				
General Product Approval		EMC	Declaration of Conformity		
25			200 and on Committy		



Confirmation









Marine / Shipping

other





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=3VA5225-0MH32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5225-0MH32-0AA0

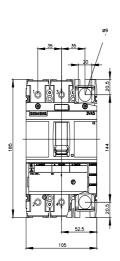
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5225-0MH32-0AA0

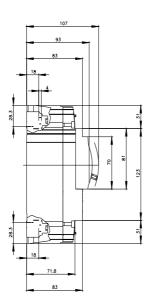
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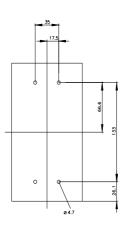
http://www.siemens.com/cax

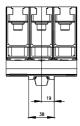
Tender specifications

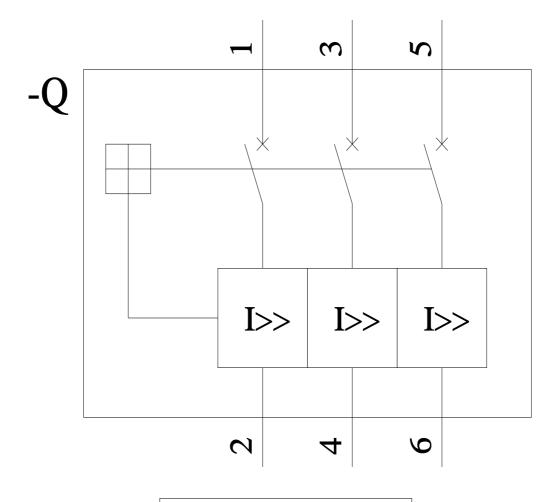
http://www.siemens.com/specifications

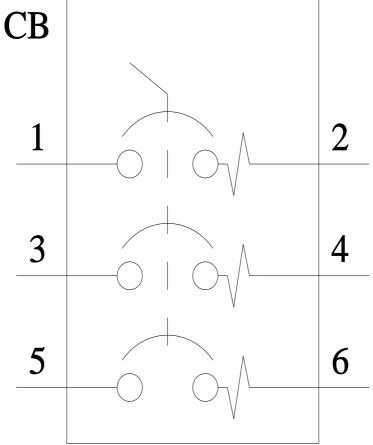












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