SIEMENS

Data sheet

3VA5170-1MU32-0AA0



circuit breaker 3VA5 UL frame 125 3-pole, starter protection TM120M, AM, In=70A without overload protection short-circuit protection li=3...7 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	HEAP		
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	1		
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	10.9 W		
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	3.63 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	1.034 kg		
Current			
marking / according to UL 489 / 100%-rated breaker	No		
operational current			
• at 40 °C	70 A		
● at 45 °C	70 A		
● at 50 °C	70 A		

• at 65 °C 70 Å • at 65 °C 70 Å • at 70 °C 70 Å Switching capacity maximum short-circuit current (cu) • at 24 °V • at 45 °C 70 Å • at 42 °V 150 ÅÅ • at 45 °C 70 Å • at 42 °V 150 ÅÅ • at 45 °V 10 ÅÅ • at 45 °V 150 ÅÅ • at 45 °V 156 ÅÅ • at 45 °V 156 ÅÅ • at 85 °V 166 ÅÅ • a		_			
• et 45 °C 70 Å Switching capacity according to IEC 60947 Dresking capacity maximum short-circuit current (co) • at 240 V • at 450 V 150 kÅ • at 620 V 50 kÅ • at 650 V 150 kÅ • at 450 V 300 kÅ • at 450 V 154 kÅ • at 450 V 157 kÅ • at 690 V For switching power values in DC networks, see the 3VA molded case circuit breaker dravice manual; link to be found under Service & Support in the last chapter Adjustable parameters Formor fault protection / tripping switchable / I2t=ON/OFF Maximum 10 5.1 in Height [in] 140 mm • width [in] 3.0 in • doing operation / for main current circuit Fort connection Prev of	● at 55 °C	7	0 A		
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Certificates reference code / according to IEC 81346-2 Q certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB Yes		8	30 °C		
certificate of suitability / as approval for NAVAL (no Yes combat vessels) / supplement SB	Certificates				
certificate of suitability / as approval for NAVAL (no Yes combat vessels) / supplement SB	reference code / according to IEC 81346-2	C	2		
	certificate of suitability / as approval for NAV	AL (no Y			
	General Product Approval	EMC	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=3VA5170-1MU32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5170-1MU32-0AA0

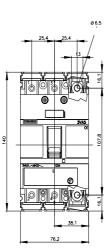
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5170-1MU32-0AA0

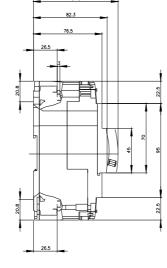
CAx-Online-Generator

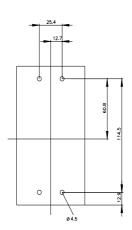
http://www.siemens.com/cax

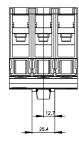
Tender specifications

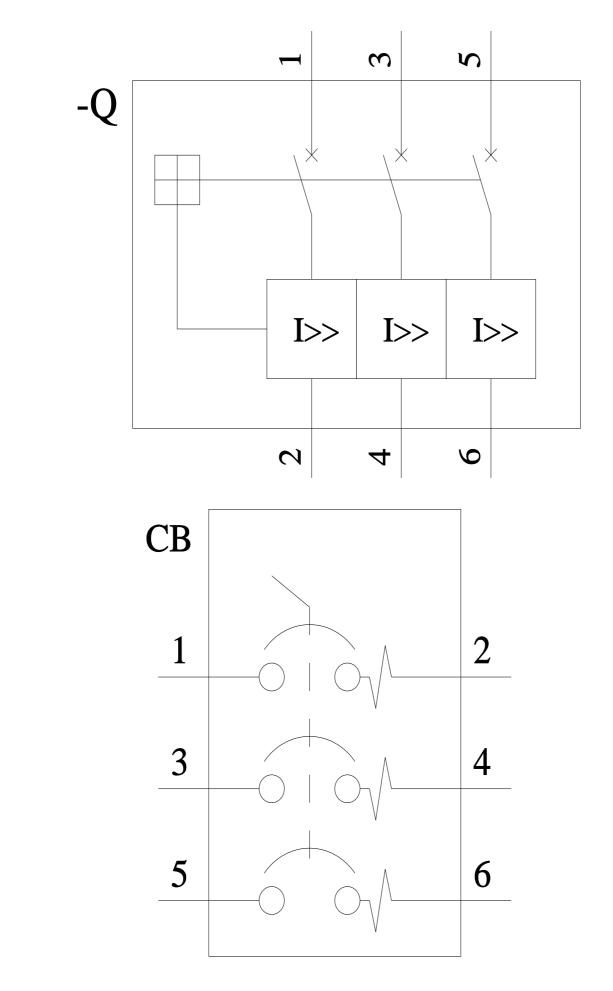
http://www.siemens.com/specifications











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