SIEMENS

Data sheet

3VA5211-5EC32-0AA0



circuit breaker 3VA5 UL frame 250 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM230, FTAM, In=110A overload protection Ir=110A fixed short-circuit protection Ii=5...10 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	MFAS
design of the product	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	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	750 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	23 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.53 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
 other measurement function 	No
Net Weight	2.192 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	110 A
• at 45 °C	107 A
● at 50 °C	104 A
• at 55 °C	100 A
• at 60 °C	97 A
● at 65 °C	94 A

Building capacity according to IEC 0007 M Interacting capacity data of the crout breaker maximum inter-critical carrent breaking capacity (low) M •••••••••••••••••••••••••	● at 70 °C	91 A
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• minimum 550 A • maximum 1100 A adjustable setting current (InN) / for N-tripping 0 • minimum 0 A • maximum 0 A adjustable current response value current / of the current- dependent overhoad release 0 A andjustable current response value current / of the current- dependent overhoad release No product function / grounding protection No Mechanical Design No product component No • undervoitage release No • voltage trigger No • ing indicator No height [in] 7.28 in height [in] 4.13 in width [in] 3.27 in depth 83 mm Connections Front connection type of connectable conductor cross-sections / for flat-bar 13 x 1 mm terminal connection / minimum 25 x 8 mm terminal connectable conductor cross-sections / for flat-bar silver terminal connectable conductor cross-sections / for flat-bar silver	• maximum	1 s
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• minimum 0 A • maximum 0 A adjustable current response value current / of the current- dependent overload release 110 110 A product function / grounding protection No Mechanical Design No product component • undervoltage release • voltage trigger No • voltage trigger No • height 185 mm width [in] 4.13 in width 105 mm depth 3.27 in depth 3.27 in connections Front connection Type of electrical connectors / for main current circuit Front connection type of connectable conductor cross-sections / for flat-bar 13 x 1 mm terminal connection / maximum 25 x 8 mm design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) silver	• maximum	1 100 A
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type of connectable conductor cross-sections / for flat-bar 13 x 1 mm type of connectable conductor cross-sections / for flat-bar 25 x 8 mm type of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) silver		nut keeper kit on both ends
terminal connection / maximum design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit		-
switch (N, 2, 4, 6) Auxiliary circuit		25 x 8 mm
	switch (N, 2, 4, 6)	silver
number of CO contacts / for auxiliary contacts 0	Auxiliary circuit	
	number of CO contacts / for auxiliary contacts	0

product extension / opti	onal / motor drive	Yes	3		
Environmental conditio	ns				
protection class IP / on	the front	IP4	0		
ambient temperature					
 during operation 	/ minimum	-25	°C		
 during operation 	/ maximum	70 °	C		
 during storage / r 	minimum	-40	°C		
 during storage / r 	maximum	80 °	C		
Certificates					
reference code / accord	ling to IEC 81346-2	Q			
General Product App	roval				
<u>Confirmation</u>				<u>Miscellaneous</u>	EHC
EMC	Declaration of Confo	rmity	Marine / Shipping	other	
Ø	CE	UK		<u>Confirmation</u>	<u>Miscellaneous</u>
RCM	EG-Konf.		ABS		

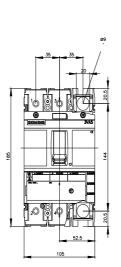
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA5211-5EC32-0AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5211-5EC32-0AA0

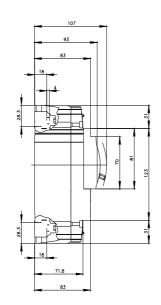
CAx-Online-Generator

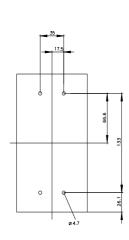
http://www.siemens.com/cax

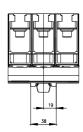
Tender specifications

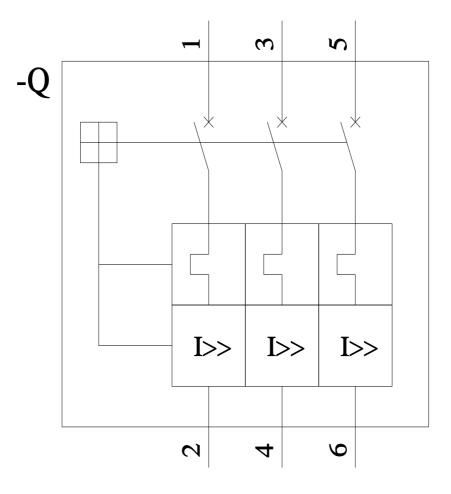
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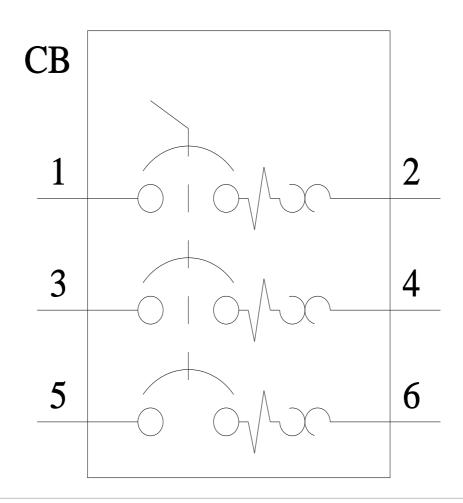












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