SIEMENS

Data sheet

3VA5111-6EC41-0AA0

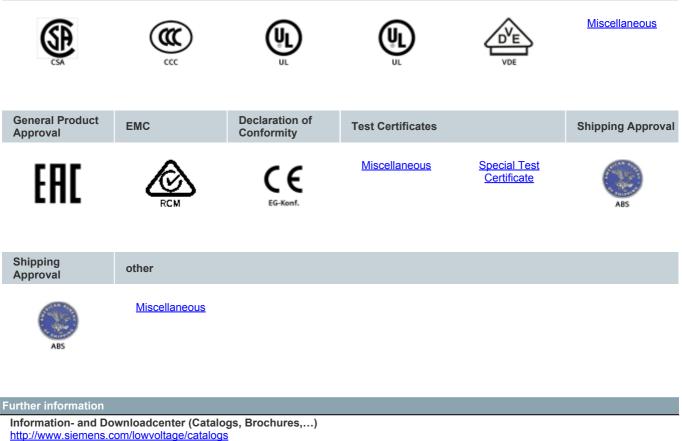


circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 480V 4-pole, line protection TM230, FTAM, In=110A overload protection Ir=110A fixed short-circuit protection Ii=5...10 x In N conductor unprotected without connection

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HEAS
Product version	System protection
design of the load switch / acc. to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	TM230
protection function of the overcurrent release	LI
number of poles	4
General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Max. rated operational voltage Ue with DC	600 V
power loss [W] / maximum	25.4 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	8.47 W
mechanical service life (switching cycles) / typical	15 000
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
Current	
marking / acc. to UL 489 / 100%-rated breaker	No
Max. rated operational current of the frame size	125 A
Courant permanent assigné lu	110 A
operational current	
• at 40 °C	110 A
• at 45 °C	107.8 A
• at 50 °C	105.8 A
● at 55 °C	103.8 A

• et 60 °C 101.9 Å • et 60 °C 100 Å • et 70 °C 99.2 Å switching capacity according to IEC 69947 switching capacity maximum short-circuit current (lou) • et 43 60 °C • et 44 50 °C • et 450 °C <			
Switching capacity dess of the circuit breaker H In 240 V 150 KA • at 240 V 10 KA • at 240 V 150 KA • at 240 V 150 KA • at 240 V 150 KA • at 240 V 300 KA • at 350 V 154 KA • at 450 V 174 KA design of short-circuit protection For switching power values in DC networks, see the 3VA molded case crucial courtent or 240 V 150 KA • at 400 V 65 KA • at 400 V 65 KA • at 400 V 100 KA <			
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• at 450 V 10 kA breaking capacity operating short-circuit current (Ics) 10 kA • at 240 V 150 kA • at 415 V 70 kA • at 420 V 330 kA • at 415 V 154 kA • at 400 V 174 kA design of short-circuit protection For switching power values in DC networks, see the 3VA molded case crow in the last chapter Switching capacity according to UL 499 To kA breaking capacity according to UL 499 To kA breaking capacity current 150 kA • at 200 V 150 kA • at 400 V 25 kA Adjustable response value current /1g min. 110 A Adjustable response value current /1g min. 110 A Adjustable response value current /1 min. 550 A Adjustable response value current /1 min. 550 A Adjustable response value current /1 min. 100 A Adjustable response value current /1 min. 550 In Height Inj 5.5 In Height Inj 5.6 In Height In	breaking capacity maximum short-circuit current (lcu)		
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• at 415 V 154 kA • at 860 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 Switching capacity according to UL 489 5 breaking capacity current • at 240 V • at 240 V 65 kA • at 240 V 25 kA Adjustable response value current //g min. 110 A Adjustable response value current //g min. 100 A Adjustable response value current // Imax. 1100 A design of her N-conductor protection Without Ground fault protection / tripping switchable / I2t=ON/OFF No Mechanical Design 140 mm height (in) 4 in without 101.6 mm depth (in) 3 in depth (in) 3 in depth (in) 4 in without connection Without connection vithout connection / for main current circuit Without connection ype of electrical connectors / for main current circuit Without connection vipe of electrical connectors	short-circuit current making capacity (Icm)		
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General Product Approval



Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA5111-6EC41-0AA0

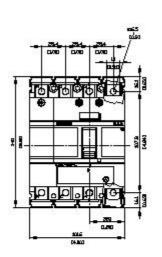
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

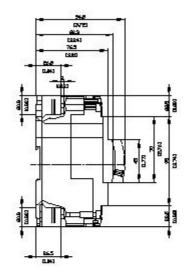
https://support.industry.siemens.com/cs/ww/en/ps/3VA5111-6EC41-0AA0

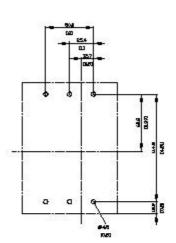
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5111-6EC41-0AA0

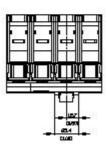
Tender specifications

http://www.siemens.com/specifications









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