SIEMENS

Data sheet

3VA5215-6EC61-0AA0



circuit breaker 3VA5 UL frame 250 breaking capacity class H 65kA @ 480V 2-pole, line protection TM230, FTAM, In=150A overload protection Ir=150A fixed short-circuit protection Ii=5...10 x In without connection

Model					
product brand name	SENTRON				
product designation	Molded-case circuit breaker				
product designation / according to UL file	HFAS				
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	LI				
number of poles	2				
General technical data					
insulation voltage / rated value	800 V				
operating voltage / at DC / rated value	500 V				
operating voltage / at AC / rated value	690 V				
power loss [W] / maximum	19 W				
power loss $\left[W\right]$ / for rated value of the current / at AC / in hot operating state / per pole	9.7 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	1.9 kg				
Current					
marking / according to UL 489 / 100%-rated breaker	No				
operational current					
• at 40 °C	150 A				
• at 45 °C	146 A				
• at 50 °C	141 A				
• at 55 °C	137 A				
• at 60 °C	132 A				
● at 65 °C	128 A				

• at 70 °C	123 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
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 (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
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	100 kA
● at 480 V	65 kA
● at 600 V	25 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	150 A
• maximum	150 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	1 s
• maximum	1s
adjustable response value setting current (li) / for I-tripping	
• minimum	750 A
• maximum	1 500 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
adjustable current response value current / of the current- dependent overload release	150 150 A
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger trip indicator	No
• trip indicator	No 7.29 in
height [in]	7.28 in
height	185 mm
width [in]	4.13 in
width	105 mm 3.27 in
depth [in]depth	3.27 in 83 mm
Connections	
arrangement of electrical connectors / for main current circuit	Without connection
type of electrical connection / for main current circuit	Without
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	

during operation during operation during storage / r during storage / r Certificates reference code / accord	/ maximum ninimum naximum ling to IEC 81346-2	-25 °C 70 °C -40 °C 80 °C Q	>		
General Product Appr	Confirmation	(U) UI	(ال س		<u>Miscellaneous</u>
General Product Approval	EMC	Declaration of Conform	nity	Marine / Shipping	
EHC	RCM	CE EG-Konf.	UK CA	ABS	RMRS
other					
Confirmation	<u>Miscellaneous</u>	Miscellaneous			

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=3VA5215-6EC61-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5215-6EC61-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

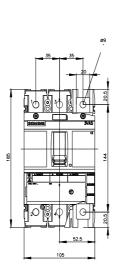
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5215-6EC61-0AA0

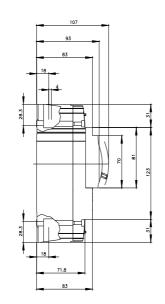
CAx-Online-Generator

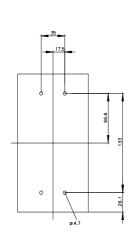
http://www.siemens.com/cax

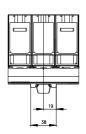
Tender specifications

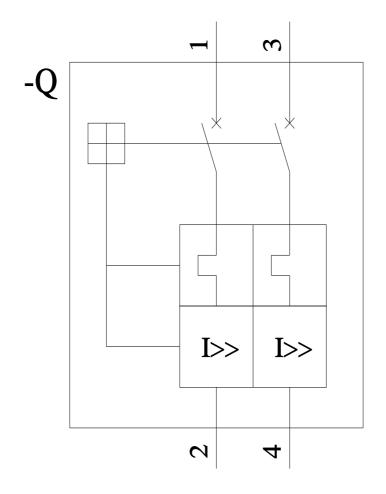
http://www.siemens.com/specifications

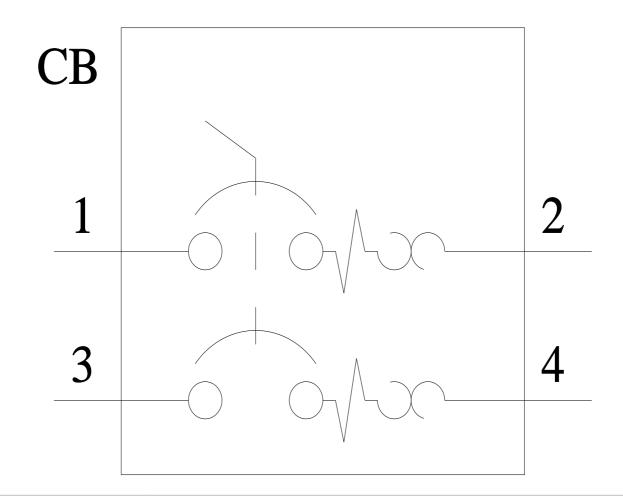












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