Data sheet 3VA5330-7EF41-2AA0



circuit breaker 3VA5 UL frame 400 breaking capacity class C 100kA @ 480 V 4-pole, line protection TM240, ATAM, In=300A overload protection Ir=210A ...300A short circuit protection Ii=5...10 x In neutral unprotected w/o connection

Model	
product designation / according to UL file	CJAS
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	TM240
protection function of the overcurrent release	LI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	70 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	23.4 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 000
electrical endurance (operating cycles) / at 480 V	6 000
electrical endurance (operating cycles) / at 600 V	3 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
product function	
 communication function 	No
other measurement function	No
Net Weight	6 820 g
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
• at 40 °C	300 A
• at 45 °C	294 A
• at 50 °C	288 A
• at 55 °C	282 A
• at 60 °C	276 A
• at 65 °C	270 A
• at 70 °C	264 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (lcu)	

* et 240 V 200 KA		
### 1690 V operating short-circuit current breaking capacity (lea) ### 415 V ### 415	**= ** *	
operating short-circuit current breaking capacity (los) • at 240 V • at 1415 V • at 1690 V • at 1410 V • at 1415 V • at 1690 V • at 1410 V •		
### 240 V	● at 690 V	10 kA
10 NA	operating short-circuit current breaking capacity (lcs)	
# 1600 V 40	• at 240 V	200 kA
short-focut current making capacity (lcm) • at 249 V • at 650 V • at 650 V • at 650 V • at 660 V • at 240 V • at 240 V • at 240 V • at 660 V • at 240 V • at 660 V	• at 415 V	110 kA
# 1240 V	• at 690 V	6 kA
e al 415 V 41690 V 171A 171A 171A 171A 171A 171A 171A 17	short-circuit current making capacity (Icm)	
- at 890 V design of short-circuit protection Switching capacity according to UL 489 current threaking capacity - at 240 V - at 480 V - at 600 V Adjustable parameters - adjustable response value detay time (tr) / for L-tripping / with 12 characteristic - ininimum - inaximum - adjustable response value detay time (tr) / for L-tripping / with 12 characteristic - ininimum - inaximum - adjustable response value setting current (ti) / for I-tripping / with 12 characteristic - ininimum - inaximum - inax	• at 240 V	440 kA
design of short-circuit protection breaker device manual; link to be found under Service & Support in the last chapter Suitothing capacity according to UL-489 current breaking capacity	• at 415 V	242 kA
broaker device manual; link to be found under Service & Support in the last chapter Switching capacity according to UL 489 current breaking capacity	• at 690 V	17 kA
Switching capacity according to UL 489 Current breaking capacity	design of short-circuit protection	breaker device manual; link to be found under Service & Support in the last
current breaking capacity • at 240 V • at 480 V • at 480 V • at 600 V 35 KA Alguistable parameters adjustable response value setting current (iir) of the L-trip / with 12t characteristic • minimum • maximum • adjustable response value setting current (iii) for L-tripping / with 12t characteristic • minimum • maximum • maximum • maximum • 1 s • maximum • 0 A • maximum • 0 A • maximum • 0 A • maximum • maximum • maximum • maximum • maximum • maximum • nearimum • ne	Switching capacity according to UL 489	
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* at 600 V Adjustable parameters adjustable response value setting current (ir) / of the L-trip / with l2t characteristic * minimum * maximum * o A * design of the N-conductor protection * product function / grounding protection * work parameters * undervoltage release * voltage trigger		
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adjustable response value setting current (ir) / of the L-trip / with Izt characteristic	11111	
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• during operation / minimum -25 °C	·	IP4U
		05.10
◆ during storage / minimum −40 °C		
	auring storage / minimum	-4U °C

oduring storage / maximum

 80 °C

Certificates

reference code / according to IEC 81346-2

General Product Approval

 Declaration of Conformity

 Marine / Shipping other

Confirmation

Miscellaneous

EHC

UK

ABS

Miscellaneous

other

Confirmation

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=3VA5330-7EF41-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5330-7EF41-2AA0

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

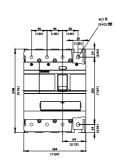
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5330-7EF41-2AA0

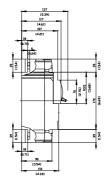
CAx-Online-Generator

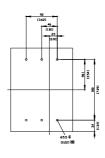
http://www.siemens.com/cax

Tender specifications

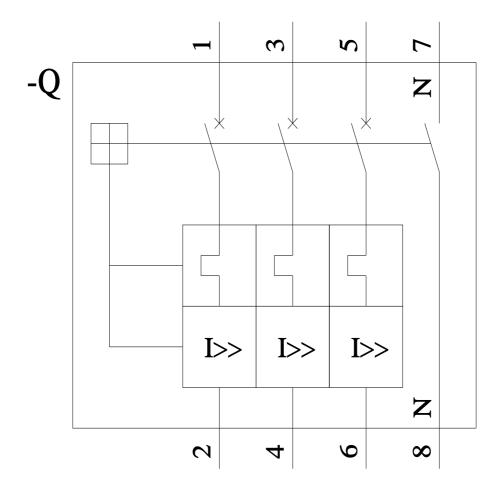
http://www.siemens.com/specifications

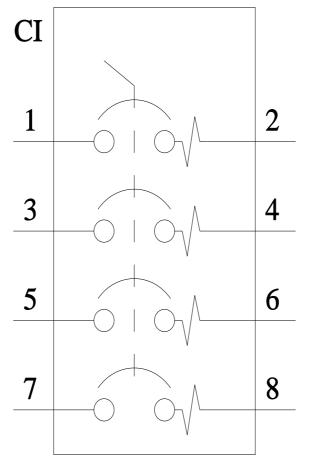












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