3VA5340-7EC36-0AA0

Data sheet



circuit breaker 3VA5 UL Frame 400 breaking capacity class C 100 kA @ 480 V 3-pole, line protection TM230, FTAM, In=400 A overload protection Ir=400 A permanently set short-circuit protection Ii=5...10 x In cable connection on two sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CJAS
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	500 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	92 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	30.73 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	5.896 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	400 A
• at 45 °C	392 A
• at 50 °C	384 A
● at 55 °C	375 A
• at 60 °C	367 A
• at 65 °C	359 A
at 70 °C	351 A

Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
maximum short-circuit current breaking capacity (Icu)	•
• at 240 V	200 kA
• at 415 V	110 kA
• at 690 V	10 kA
operating short-circuit current breaking capacity (Ics)	00014
• at 240 V	200 kA
• at 415 V	110 kA
● at 690 V	6 kA
short-circuit current making capacity (Icm)	
● at 240 V	440 kA
● at 415 V	242 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	200 kA
• at 480 V	100 kA
• at 600 V	35 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	400 A
maximum	400 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	1s
• maximum	1s
adjustable response value setting current (li) / for I-tripping	
• minimum	2 000 A
• maximum	4 000 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
trip indicator	No
	9.76 in
height [in]	248 mm
height width fin	
width [in]	5.43 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (1 AWG - 600 kcmil)
width	138 mm
depth [in]	4.33 in
depth	110 mm
Connections	
	Front connection
arrangement of electrical connectors / for main current circuit	
type of electrical connection / for main current circuit	circular conductor terminal on both sides
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 / minimum 	-25 °C

during operation / maximum
 during storage / minimum
 during storage / maximum
 80 °C
 reference code / according to IEC 81346-2
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Approvals / Certificates

General Product Approval



Confirmation





Miscellaneous



EMV

Marine / Shipping

other

Environment





Confirmation

Miscellaneous

Miscellaneous

Environmental Confirmations

Further information

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)

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5340-7EC36-0AA0

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

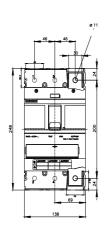
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5340-7EC36-0AA0

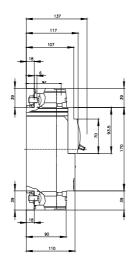
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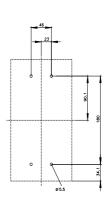
http://www.siemens.com/cax

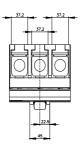
Tender specifications

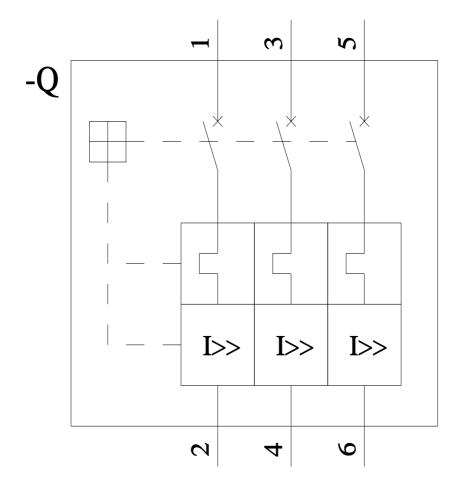
http://www.siemens.com/specifications

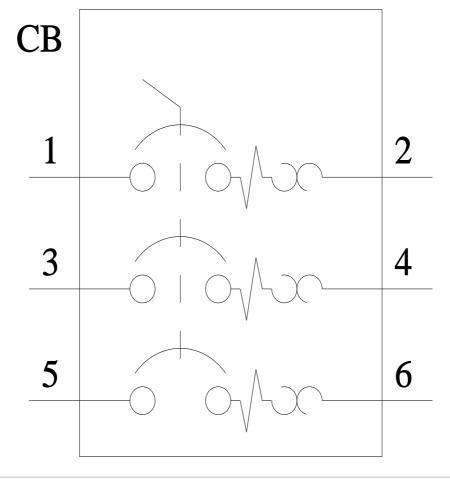












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