SIEMENS

Data sheet

Model

3VA5195-5EC36-1AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM230, FTAM, In=15A overload protection Ir=15A fixed short-circuit protection Ii=10...20 x In UL489 SB (naval), 50 deg. cel. cable connection on both sides

Model		
product brand name	SENTRON	
product designation	Molded-case circuit breaker	
product designation / according to UL file	MEAM	
Product version	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)	Yes	
design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)	Yes	
design of the overcurrent release	TM230	
protection function of the overcurrent release	LI	
number of poles	3	
General technical data		
operating voltage / at AC / rated value	690 V	
power loss [W] / maximum	10.6 W	
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	3.53 W	
mechanical service life (switching cycles) / typical	20 000	
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	
Net Weight	0.934 kg	
Current		
marking / according to UL 489 / 100%-rated breaker	No	
operational current		
• at 40 °C	15 A	
• at 45 °C	15 A	
• at 50 °C	14 A	
• at 55 °C	14 A	
• at 60 °C	14 A	
• at 65 °C	14 A	
● at 70 °C	14 A	

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reference value setting current (InN) / for N-tripping x In adjustable absolute value setting current (InN) / for N- 0 A	
adjustable absolute value setting current (InN) / for N- 0 A	
tripping / minimum	
adjustable absolute value setting current (InN) / for N- tripping / maximum	
tripping characteristic / of the lower tolerance band AK_3VA5_1_15A_TM2_SuM	MuH_uT
tripping characteristic / of the upper tolerance band AK_3VA5_1_15A_TM2_SuM	
let-through energy characteristic / at 240 V DE_3VA5_1_15A_TM_line u	
let-through energy characteristic / at 415 V DE_3VA5_1_15A_TM_line uset-through energy characteristic / at 690 V DE_3VA5_1_15A_TM_line uset-through energy characteristic / at 690 V	_ · · -

type of value list setting current (li) / for I-tripping	St
tripping characteristic / of the let-through current characteristic / at 240 V	DS_3VA5_1_15A_TM_line u starter_3u4p_240V
tripping characteristic / of the let-through current characteristic / at 415 V	DS_3VA5_1_15A_TM_line u starter_3u4p_415V
tripping characteristic / of the let-through current characteristic / at 690 V	DS_3VA5_1_15A_TM_line u starter_3u4p_690V
Adjustable response value current / lg min.	15 A
adjustable current response value current / of the current- dependent overload release / full-scale value	15 A
Ground fault protection / tripping switchable / I2t=ON/OFF	No
Mechanical Design	
product component	
 undervoltage release 	No
- valtaga triagga	No

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Mechanical Design		
product component		
 undervoltage release 	No	
 voltage trigger 	No	
trip indicator	No	
height [in]	5.51 in	
Height	140 mm	
width [in]	3 in	
Type of connectable conductor cross-section, round conductor terminal, stranded	1 x (14 AWG - 8 AWG)	
Width	76.2 mm	
depth [in]	3.01 in	
depth	76.5 mm	
Connections		
arrangement of electrical connectors / for main current circuit	Front connection	
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	70 °C	
during storage / minimum	-40 °C	
during storage / maximum	80 °C	
Certificates		
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes	
General Product Approval		

Confirmation









Miscellaneous

EMC Declaration of Conformity Marine / Shipping other











Miscellaneous

Further informatior

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=3VA5195-5EC36-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA5195-5EC36-1AA0

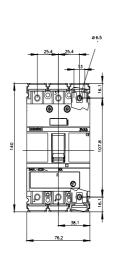
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3VA5195-5EC36-1AA0

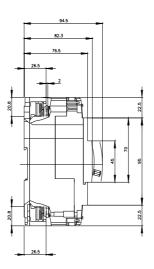
CAx-Online-Generator

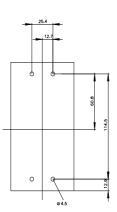
http://www.siemens.com/cax

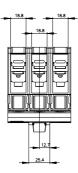
Tender specifications

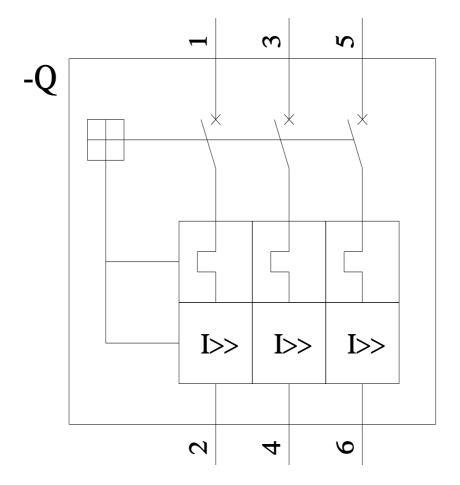
http://www.siemens.com/specifications

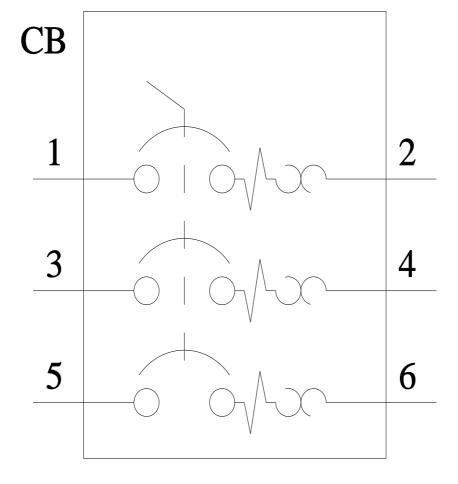












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