SIEMENS

Data sheet

3VA5195-6EC36-1AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 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	HEAM	
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	

Switching capacity according to IEC 60947		
switching capacity class of the circuit breaker	Н	
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	
witching capacity according to UL 489		
breaking capacity current		
• at 240 V	150 kA	
• at 480 V	65 kA	
• at 600 Y/347 V	25 kA	
djustable parameters		
product feature / for L-tripping / selectable characteristic function	No	
type of value list setting current (Ir) / for L-tripping / with I2t characteristic	Fest	
reference value setting current (Ir) / for L-tripping / with I2t characteristic	x In	
set values setting current (Ir) / for L-tripping / with I2t characteristic	1	
adjustable response factor setting current (Ir) / for L-tripping / with I2t characteristic / minimum	1	
adjustable response factor setting current (Ir) / for L- tripping / with I2t characteristic / maximum	1	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic / minimum adjustable response value setting current (Ir) / of the L-trip	15 A	
/ with I2t characteristic / maximum type of value list delay time (tr) / for L-tripping / with I2t	Fest	
characteristic reference value delay time (tr) / for L-tripping / with 12t	S	
characteristic set values delay time (tr) / for L-tripping / with I2t	1	
characteristic adjustable response value delay time (tr) / for L-tripping /	1 s	
with I2t characteristic / minimum adjustable response value delay time (tr) / for L-tripping / with I2t characteristic / maximum	1 s	
product feature / for S-tripping / independent of direction / selectable characteristic function	No	
product feature / for I-tripping / can be switched on/off design of I-trip / adjustable	No Yes	
reference value setting current (li) / for I-tripping	x ln	
set values setting current (li) / for I-tripping	10;12;14;16;18;20	
adjustable response factor setting current (li) / for I- tripping / minimum	10, 12, 14, 10, 10, 20	
adjustable response factor setting current (li) / for l-tripping / maximum	20	
adjustable response value setting current (li) / for I-tripping / minimum	150 A	
adjustable response value setting current (li) / for I-tripping / maximum	300 A	
product feature / for G-tripping / selectable characteristic function	No	
product feature / with neutral conductor protection / can be switched on/off	No Voc	
product feature / with neutral conductor protection / adjustable type of value list setting current (InN) / for N-tripping	Yes	
reference value setting current (InN) / for N-tripping adjustable absolute value setting current (InN) / for N- tripping / minimum	x In 0 A	
adjustable absolute value setting current (InN) / for N-tripping / maximum	0 A	
tripping characteristic / of the lower tolerance band	AK_3VA5_1_15A_TM2_SuMuH_uT	
tripping characteristic / of the upper tolerance band	AK_3VA5_1_15A_TM2_SuMuH_oT	
let-through energy characteristic / at 240 V	DE_3VA5_1_15A_TM_line u starter_3u4p_240V	
let-through energy characteristic / at 415 V	DE_3VA5_1_15A_TM_line u starter_3u4p_415V	
let-through energy characteristic / at 690 V	DE_3VA5_1_15A_TM_line u starter_3u4p_690V	

tripping characteristic / of the let-through current characteristic / at 240 V
tripping characteristic / of the let-through current characteristic / at 415 V
tripping characteristic / of the let-through current characteristic / at 415 V
tripping characteristic / of the let-through current characteristic / at 690 V
Adjustable response value current / lg min.
adjustable current response value current / of the current-dependent overload release / full-scale value
Ground fault protection / tripping switchable / I2t=ON/OFF

Mechanical Design

product component

Ground fault protection / tripping switchable / I2t=ON/OFF	No	
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	

combat vessels) / supplement SB General Product Approval

• during storage / maximum

certificate of suitability / as approval for NAVAL (no



Confirmation







Miscellaneous

EMC Declaration of Conformity Marine / Shipping other

80 °C

Yes











Miscellaneous

Further information

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=3VA5195-6EC36-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA5195-6EC36-1AA0

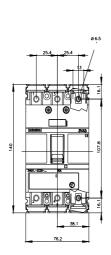
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3VA5195-6EC36-1AA0

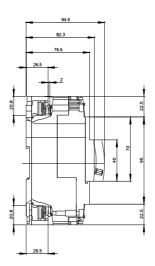
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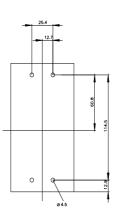
http://www.siemens.com/cax

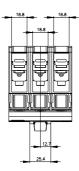
Tender specifications

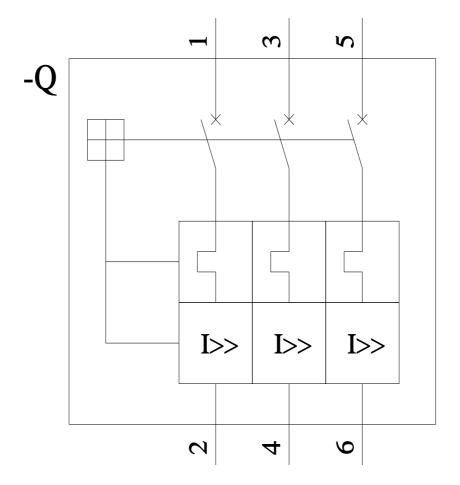
http://www.siemens.com/specifications

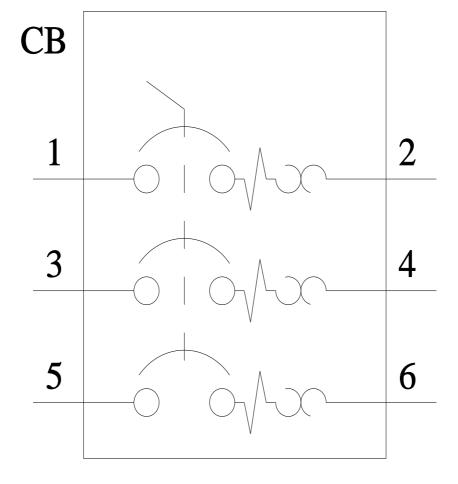












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