SIEMENS

Data sheet

3VA5130-6EC36-1AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 480 V 3-pole, line protection TM230, FTAM, In=30A overload protection Ir=30A fixed short-circuit protection Ii=5...10 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)	No
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	9.6 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	3.2 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	30 A
• at 45 °C	29 A
● at 50 °C	29 A
● at 55 °C	28 A
• at 60 °C	28 A
• at 65 °C	28 A
• at 70 °C	27 A

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tripping characteristic / of the upper tolerance band AK_3VA5_1_30A_TM2_SuMuH_oT let-through energy characteristic / at 240 V DE_3VA5_1_30A_TM_line u starter_3u4p_240V	tripping / maximum		
let-through energy characteristic / at 240 V DE_3VA5_1_30A_TM_line u starter_3u4p_240V			
	let-through energy characteristic / at 415 V	DE_3VA5_1_30A_TM_line u starter_3u4p_415V	
let-through energy characteristic / at 690 V DE_3VA5_1_30A_TM_line u starter_3u4p_690V			

type of value list setting current (li) / for I-tripping tripping characteristic / of the let-through current characteristic / at 240 V	St DS_3VA5_1_30A_TM_line u starter_3u4p_240V
characteristic / at 240 V tripping characteristic / of the let-through current characteristic / at 415 V	DS_3VA5_1_30A_TM_line u starter_3u4p_415V
tripping characteristic / at 415 V tripping characteristic / of the let-through current characteristic / at 690 V	DS_3VA5_1_30A_TM_line u starter_3u4p_690V
Adjustable response value current / lg min.	30 A
adjustable response value current / ig min. adjustable current response value current / of the current- dependent overload release / full-scale value	30 A 30 A
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 (8 AWG - 3/0)
Width	76.2 mm
depth [in]	3.01 in
depth	76.5 mm
Connections	
arrangement of electrical connectors / for main current	Front connection
circuit	aircular conductor terminal on both sides
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 operation / maximum outring storage / minimum	-40 °C
during storage / minimum during storage / maximum	-40 °C 80 °C
Certificates	
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes
General Product Approval	
Confirmation	Missellenseus
Confirmation	Miscellaneous
CCC UL	UL VDE
EMC Declaration of Conformity	Marina / Shinning
EMC Declaration of Conformity	Marine / Shipping other
A 1117	Manager and Annual Annua
\land UK (ε	<u>Miscellaneous</u>
RCM EG-Konf.	ABS RMRS
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/produc	

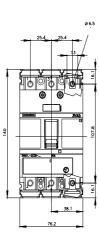
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA5130-6EC36-1AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5130-6EC36-1AA0

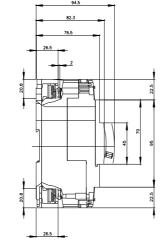
CAx-Online-Generator

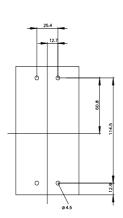
http://www.siemens.com/cax

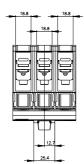
Tender specifications

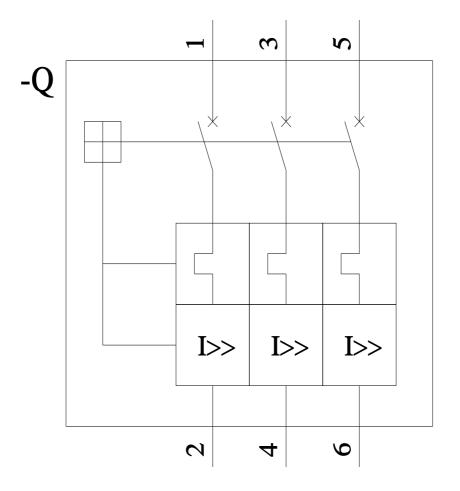
http://www.siemens.com/specifications

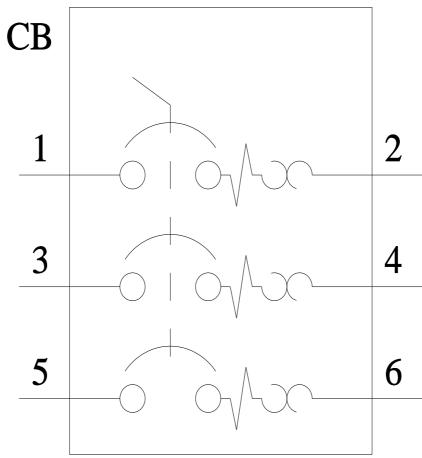












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