








circuit breaker 3VA5 UL frame 250 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM230, FTAM, In=110A overload protection Ir=110A fixed short-circuit protection li=5...10 x In UL489 SB (naval), 50 deg. cel. cable connection on both sides

Model	
product brand name	SETRON
product designation	Molded-case circuit breaker
product designation / according to UL file	MFAM
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)	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	LI
number of poles	3
General technical data	
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	23 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	7.53 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/retrofitable	No
ground-fault monitoring version	without
product function	
• communication function	No
• other measurement function	No
Net Weight	2.248 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	110 A
• at 45 °C	107 A
• at 50 °C	104 A
• at 55 °C	100 A
• at 60 °C	97 A

<ul style="list-style-type: none">• at 65 °C• at 70 °C	94 A 91 A			
Switching capacity according to IEC 60947				
switching capacity class of the circuit breaker	M			
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				
breaking capacity current				
<ul style="list-style-type: none">• at 240 V• at 480 V• at 600 V	85 kA 35 kA 18 kA			
Adjustable parameters				
Adjustable response value current / I _g min.	110 A			
Adjustable response value current / I _g min.	110 A			
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	No			
Mechanical Design				
height [in]	7.28 in			
Height	185 mm			
width [in]	4.13 in			
Width	105 mm			
depth [in]	3.27 in			
depth	83 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			
Type of connectable conductor cross-section, round conductor terminal, stranded	1 x (6 AWG - 350 kcmil)			
Auxiliary circuit				
product component				
<ul style="list-style-type: none">• undervoltage release• voltage trigger• trip indicator	No No No			
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				
<ul style="list-style-type: none">• during operation / minimum• during operation / maximum• during storage / minimum• during storage / maximum	-25 °C 70 °C -40 °C 80 °C			
Certificates				
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes			
General Product Approval	EMC	Declaration of Conformity		
				
Confirmation				
Marine / Shipping other				



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=3VA5211-5EC36-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA5211-5EC36-1AA0>

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

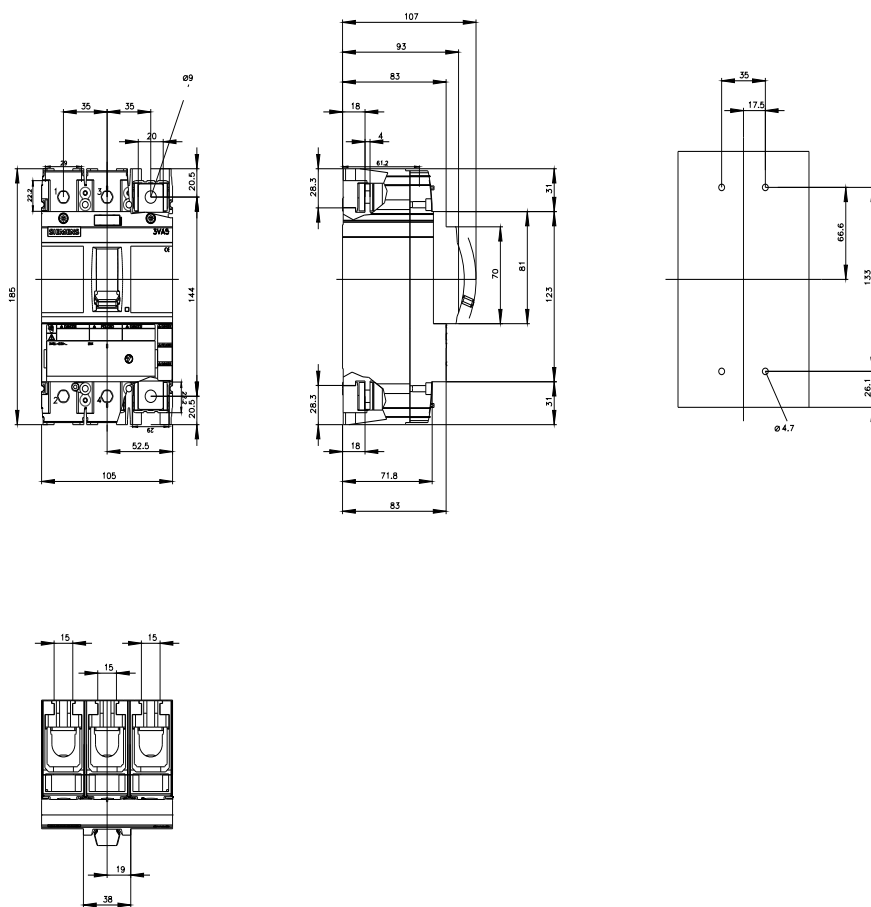
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5211-5EC36-1AA0

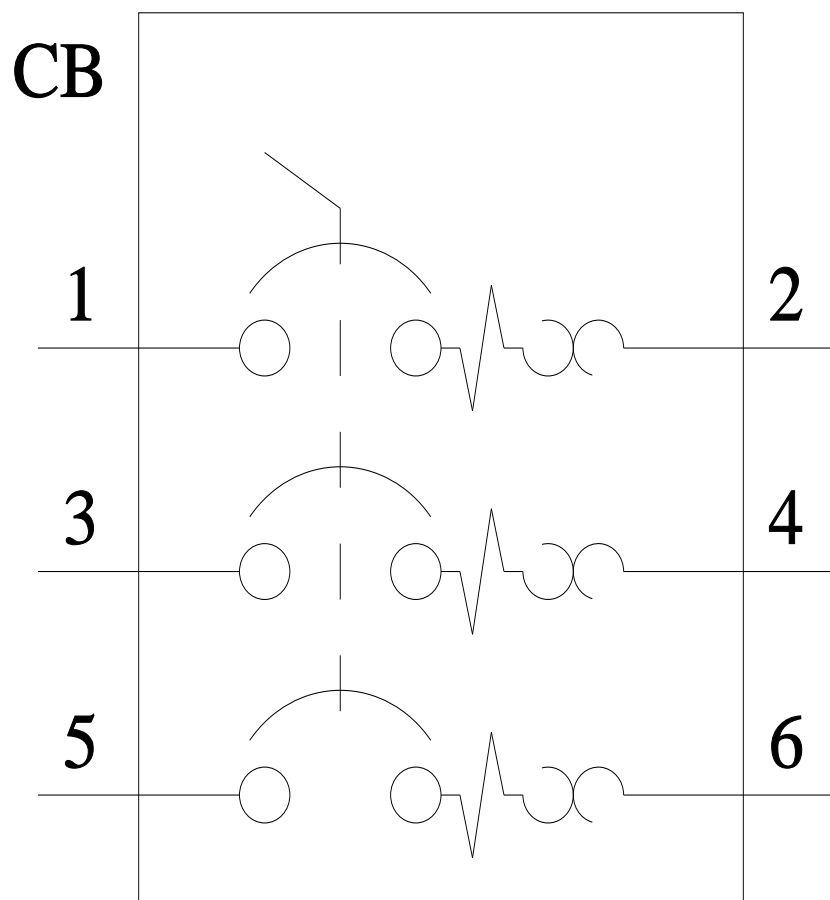
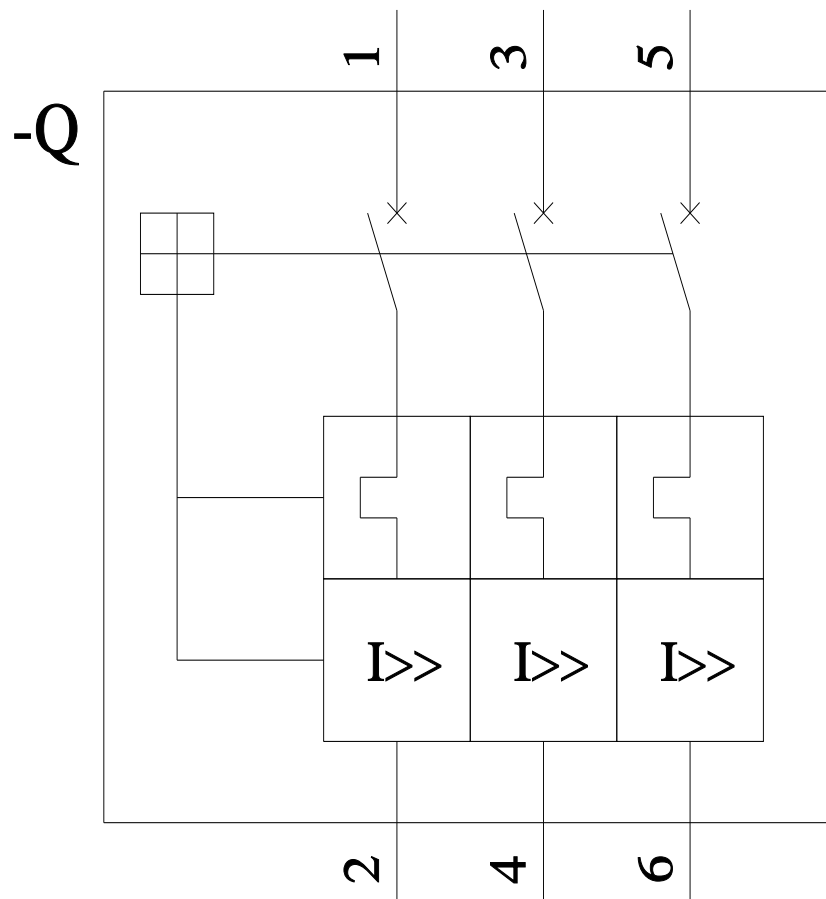
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





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