



molded case switch 3VA6 UL frame 600 max. sh-circ breaking capacity 100kA @ 480 V 3-pole, line protection MCS110, In=600A without overload protection self-protection li=9 x In cable connection on both sides

Model	
product brand name	SETRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CLAE
design of the product	Molded case switch
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	MCS110
protection function of the overcurrent release	I
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	151 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	50.33 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500
electrical endurance (operating cycles) / at 480 V	4 000
electrical endurance (operating cycles) / at 600 V	3 500
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	without
product function	
• communication function	No
• other measurement function	No
Net Weight	9.621 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	600 A
• at 45 °C	600 A
• at 50 °C	593 A
• at 55 °C	540 A
• at 60 °C	510 A
• at 65 °C	480 A
• at 70 °C	450 A
Adjustable parameters	
adjustable current response value current / of instantaneous short-circuit trip unit	

<ul style="list-style-type: none"><li>• minimum</li></ul>	5 400 A		
<ul style="list-style-type: none"><li>• maximum</li></ul>	5 400 A		
product function / grounding protection	No		
Mechanical Design			
product component			
<ul style="list-style-type: none"><li>• undervoltage release</li></ul>	No		
<ul style="list-style-type: none"><li>• voltage trigger</li></ul>	No		
<ul style="list-style-type: none"><li>• trip indicator</li></ul>	No		
height [in]	9.76 in		
height	248 mm		
width [in]	5.43 in		
type of connectable conductor cross-sections / of the round conductor terminal / stranded	2 x (2/0 - 600 kcmil)		
width	138 mm		
depth [in]	4.33 in		
depth	110 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			
<ul style="list-style-type: none"><li>• during operation / minimum</li></ul>	-25 °C		
<ul style="list-style-type: none"><li>• during operation / maximum</li></ul>	70 °C		
<ul style="list-style-type: none"><li>• during storage / minimum</li></ul>	-40 °C		
<ul style="list-style-type: none"><li>• during storage / maximum</li></ul>	80 °C		
Certificates			
reference code / according to IEC 81346-2	Q		
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes		
General Product Approval		EMC	Declaration of Con- formity

[Confirmation](#)



[Miscellaneous](#)



<b>Declaration of Con- formity</b>	<b>Marine / Shipping</b>	<b>other</b>	<b>Dangerous Good</b>
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[Confirmation](#)

[Miscellaneous](#)

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#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

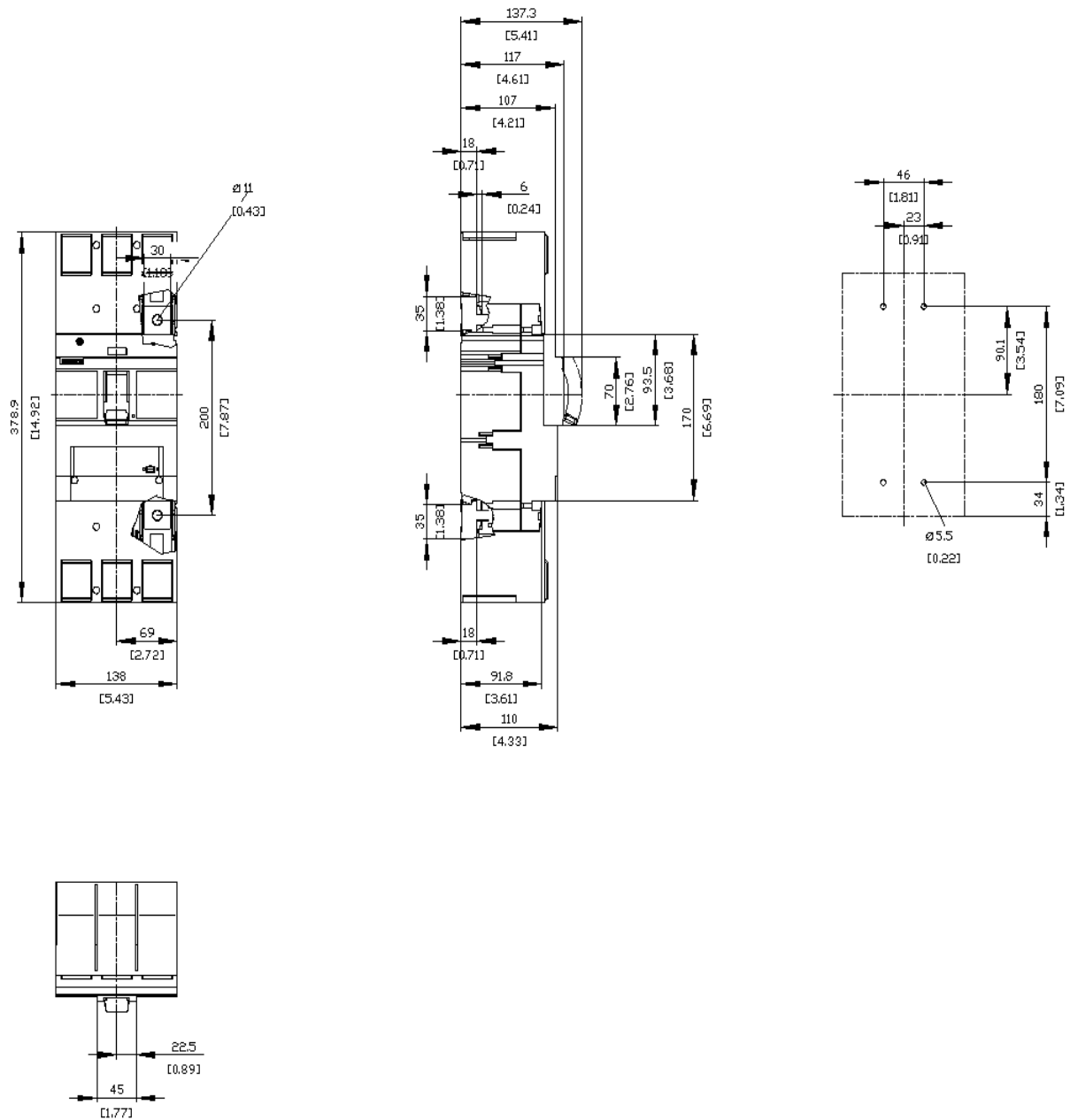
<http://www.siemens.com/lowvoltage/catalogs>

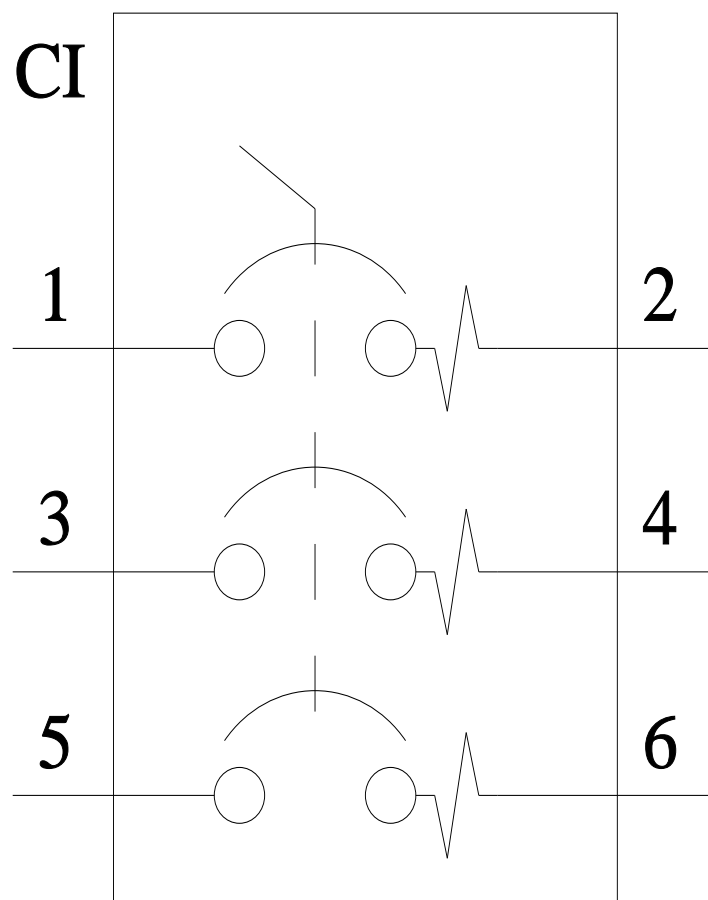
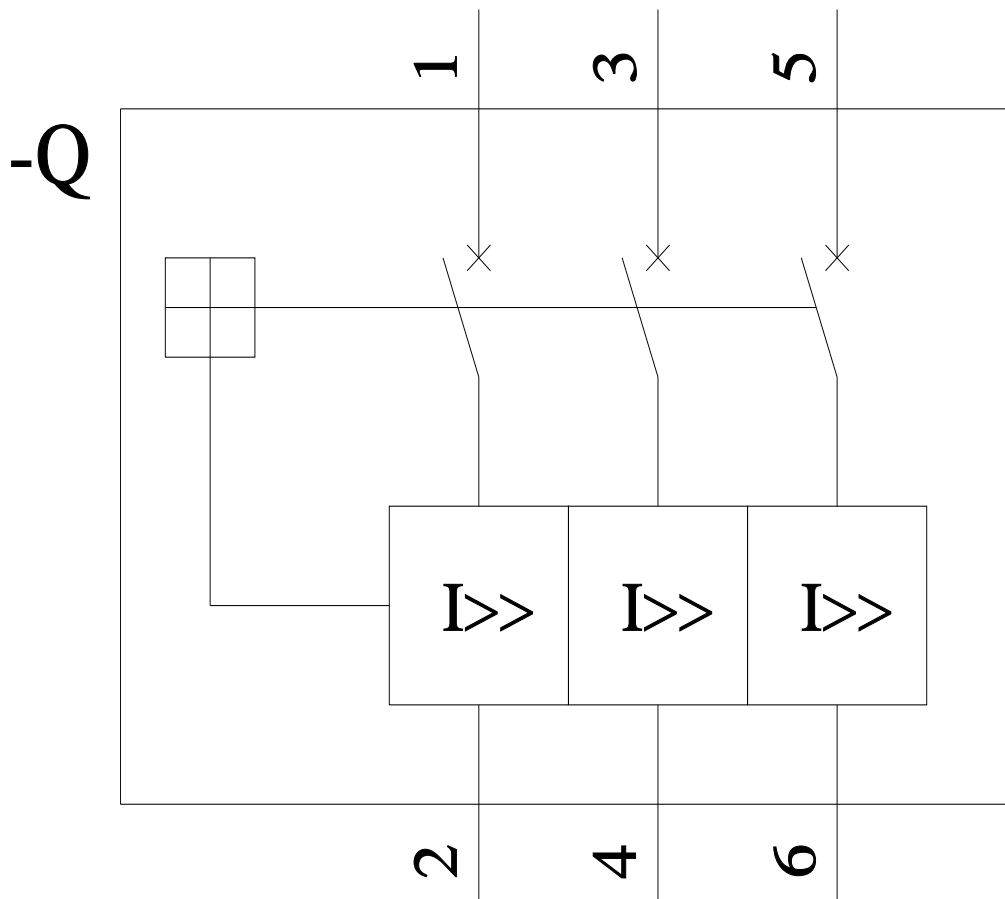
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA6460-1BB36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA6460-1BB36-0AA0>







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