SIEMENS

Data sheet

3VA1110-6MH36-0AA0



circuit breaker 3VA1 IEC frame 160 breaking capacity class H Icu=70kA @ 415V 3-pole, starter protection TM120M, AM, In=100A without overload protection short-circuit protection Ii=7...16 x In clamp connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Starter protection
design of the overcurrent release	TM120M
protection function of the overcurrent release	T. Control of the Con
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	25 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	9 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	6 300
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
 communication function 	No
 phase failure detection 	No
 other measurement function 	No
Net Weight	1.011 kg
Current	
operational current	
● at 40 °C	100 A
• at 45 °C	100 A
● at 50 °C	100 A
● at 55 °C	98 A
● at 60 °C	96 A
● at 65 °C	94 A
● at 70 °C	91 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	
● at 240 V	100 kA
● at 415 V	70 kA
● at 440 V	55 kA
● at 500 V	5 kA
● at 690 V	5 kA
operating short-circuit current breaking capacity (Ics)	
● at 240 V	100 kA

• at 415 V	70 kA
• at 440 V	40 kA
• at 500 V	5 kA
• at 690 V	5 kA
short-circuit current making capacity (Icm)	
• at 240 V	220 kA
• at 415 V	154 kA
• at 440 V	121 kA
● at 500 V	7.5 kA
● at 690 V	7.5 kA
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
Adjustable parameters	
adjustable response value setting current (li) / for I-tripping	
• minimum	700 A
• maximum	1 600 A
adjustable absolute value setting current (InN) / for N-	
tripping	
• minimum	0 A
maximum	0 A
product function / grounding protection	No
Mechanical Design	
product component	
 undervoltage release 	No
 voltage trigger 	No
• trip indicator	No
height [in]	5.12 in
height	130 mm
width [in]	3 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (1,5 - 70 mm²)
width	76.2 mm
depth [in]	2.76 in
depth	70 mm
Connections	
arrangement of electrical connectors / for main current	Front terminal
circuit	Tronk torrinia
type of electrical connection / for main current circuit	box terminal on both sides
design of the surface / of the connections / on the top of	Silver
the switch (N, 1, 3, 5)	
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	Tin
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	
reference code / according to IEC 81346-2	Q
General Product Approval	EMC
Confirmation	Miscellaneous E П F













Special Test Certificate

Miscellaneous

Type Test Certificates/Test Report



Marine / Shipping

other

Environment



CCS / China Classification Society

<u>Confirmation</u>

Miscellaneous

Miscellaneous

Environmental Confirmations

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=3VA1110-6MH36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA1110-6MH36-0AA0

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

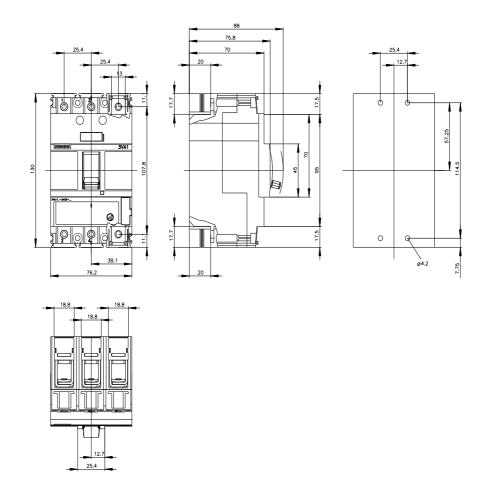
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1110-6MH36-0AA0

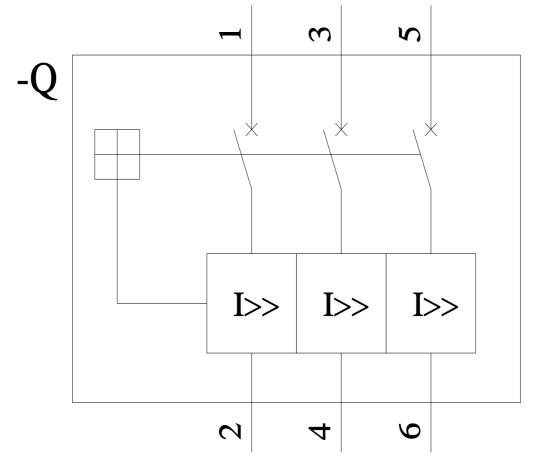
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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