SIEMENS

Data sheet

3VA6110-7KM36-2AA0

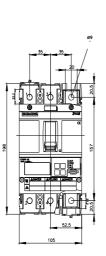


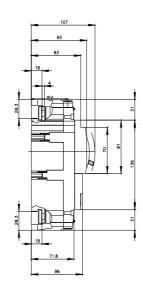
Circuit breaker 3VA6 UL Frame 150 breaking capacity class C 100kA @ 480 V 3pole, Line protection ETU830, LIG, In=100A overload protection, 100% rated Ir=40A ...100A Short-circuit protection Ii=1.5...12 x In Ground-fault protection Ig=0.2... 1 x In, tg=0.05-0.8s cable connection on both sides

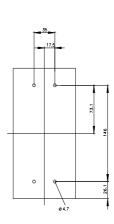
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CDAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU830
protection function of the overcurrent release	LIG
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	13 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.33 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	14 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	9 800
electrical endurance (operating cycles) / at 480 V	14 000
electrical endurance (operating cycles) / at 600 V	9 800
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
 communication function 	Yes
other measurement function	Yes
Net Weight	2.509 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
● at 40 °C	100 A
● at 45 °C	100 A
● at 50 °C	100 A
● at 55 °C	100 A
• at 60 °C	100 A
● at 65 °C	100 A
• at 70 °C	100 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (Icu)	

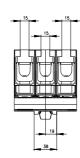
• at 240 V	150 kA
• at 415 V	110 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (lcs)	
• at 240 V	150 kA
• at 415 V	110 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
• at 415 V	242 kA
• at 690 V	3.8 kA
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	200 kA
• at 480 V	100 kA
• at 600 V	35 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with	
I2t characteristic	
• minimum	40 A
• maximum	100 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
• maximum	25 s
adjustable current response value current / for G-tripping / with standard characteristic	
initial value	20 A
• full-scale value	100 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• minimum	0.05 s
• maximum	0.8 s
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	150 A
• maximum	1 200 A
product function / grounding protection	Yes
total break time / for G-tripping / with standard characteristic	
initial value	0.05 s
full-scale value	0.8 s
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
trip indicator	No
height [in]	7.8 in
height	198 mm
width [in]	4.13 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (14 AWG - 1/0)
width	105 mm
depth [in]	3.39 in
depth	86 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	

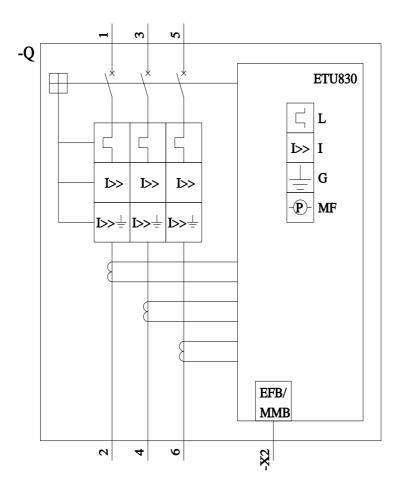
			L L L L L L L L L L L L L L L L L L L			
protection class IP / on th	e front	IP40	J			
ambient temperature						
during operation / minimum		-25	°C			
during operation / maximum		70 °	С			
during storage / minimum		-40	°C			
during storage / maximum		80 °	С			
ertificates	· ·					
reference code / accordin	in to IEC 81346-2	Q				
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB			Yes			
General Product Appro						
PP						
	<u>Confirmation</u>		(ŲL) u	<u>Miscellaneous</u>	EHC	
			other		Dangerous Good	
Declaration of Conform		Marine / Shipping	Confirmation	Miscellaneous	Transport Informatic	
Declaration of Conform	UK CA	Marine / Shipping		<u>Miscellaneous</u>	Transport Informatio	
C E EG-Konf.		Marine / Shipping		Miscellaneous	Transport Informatio	
EG-Konf.	UK CA	ABS		Miscellaneous	Transport Informatio	
EG-Konf. Inther information Siemens has decided to https://press.siemens.com	UK CA exit the Russian mar n/global/en/pressreleas	ket (see here).	Confirmation	Miscellaneous	Transport Informatio	
EG-Konf. EG-Konf. EG-Konf. Either information Siemens has decided to https://press.siemens.com Siemens is working on Please contact your local EAC relevant market (oth information on the pack	e exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned taging	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru	Confirmation <u> Ssian-business</u> AC certification if you interv			
ther information Elemens has decided to ttps://press.siemens.com Elease contact your local AC relevant market (oth nformation on the pack ttps://support.industry.si information- and Downl	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned taging emens.com/cs/ww/en/v oadcenter (Catalogs,	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru	Confirmation <u> Ssian-business</u> AC certification if you interv			
rther information Siemens has decided to ttps://press.siemens.com Siemens is working on Please contact your local AC relevant market (oth information on the pack ttps://support.industry.si information- and Downl ttp://www.siemens.com/	Dexit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned caging emens.com/cs/ww/en/v oadcenter (Catalogs, lowvoltage/catalogs	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru	Confirmation <u> Ssian-business</u> AC certification if you interv			
rther information siemens has decided to ttps://press.siemens.com siemens is working on Please contact your local SAC relevant market (oth information on the pack ttps://support.industry.si formation- and Downl ttp://www.siemens.com/ ndustry Mall (Online or	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned (aging) emens.com/cs/ww/en/w oadcenter (Catalogs, lowvoltage/catalogs dering system)	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru iew/109813875 Brochures,)	Confirmation Ssian-business AC certification if you intere- Issia or Belarus).			
rther information Siemens has decided to https://press.siemens.com Siemens is working on Please contact your local EAC relevant market (oth information on the pack dttps://support.industry.si information- and Downl http://www.siemens.com/ ndustry Mall (Online or https://mall.industry.sieme	o exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the sier than the sanctioned (aging) emens.com/cs/ww/en/w oadcenter (Catalogs, lowvoltage/catalogs dering system) ens.com/mall/en/en/Cat	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru iew/109813875 Brochures,) talog/product?mlfb=3VA6	Confirmation Ssian-business AC certification if you intere- Issia or Belarus).			
rther information Siemens has decided to https://press.siemens.cor Siemens is working on Please contact your local EAC relevant market (oth nformation on the pack https://support.industry.siemens.com// ndustry Mall (Online or https://www.siemens.com// ndustry Mall (Online or https://support.industry.siemens Service&Support (Manu https://support.industry.siemens.com//	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned (aging) emens.com/cs/ww/en/v oadcenter (Catalogs, lowvoltage/catalogs dering system) ens.com/mall/en/en/Cat ials, Certificates, Char emens.com/cs/ww/en/p	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru iew/109813875 Brochures,) talog/product?mlfb=3VA6 racteristics, FAQs,)	Confirmation ssian-business AC certification if you intend ssia or Belarus). S110-7KM36-2AA0	d to import or offer to su		
rther information Siemens has decided to https://press.siemens.cor Siemens is working on Please contact your local EAC relevant market (oth nformation on the pack https://support.industry.sie nformation- and Down http://www.siemens.com// ndustry Mall (Online or https://mall.industry.siemens Service&Support (Manu https://support.industry.sie mage database (produc	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned (aging emens.com/cs/ww/en/v oadcenter (Catalogs, lowvoltage/catalogs dering system) ens.com/mall/en/en/Cat ials, Certificates, Char emens.com/cs/ww/en/p ct images, 2D dimensi	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru riew/109813875 Brochures,) talog/product?mlfb=3VA6 racteristics, FAQs,) bs/3VA6110-7KM36-2AA0 tion drawings, 3D model	Confirmation ssian-business AC certification if you intendusia or Belarus). S110-7KM36-2AA0 S, device circuit diagram	d to import or offer to su		
EG-Konf. Arther information Siemens has decided to https://press.siemens.com Siemens is working on Please contact your local EAC relevant market (oth nformation on the pack https://support.industry.si mformation- and Downl http://www.siemens.com/ ndustry Mall (Online or Service&Support (Manu https://support.industry.si mage database (produc http://www.automation.sie CAx-Online-Generator	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned taging emens.com/cs/ww/en/w oadcenter (Catalogs, lowvoltage/catalogs dering system) ens.com/mall/en/en/Cat ials, Certificates, Chai emens.com/cs/ww/en/p ct images, 2D dimensi emens.com/bilddb/cax	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru riew/109813875 Brochures,) talog/product?mlfb=3VA6 racteristics, FAQs,) bs/3VA6110-7KM36-2AA0 tion drawings, 3D model	Confirmation ssian-business AC certification if you intendusia or Belarus). S110-7KM36-2AA0 S, device circuit diagram	d to import or offer to su		
Lither information Siemens has decided to https://press.siemens.cor Siemens is working on Please contact your local EAC relevant market (oth Information on the pack https://support.industry.si Information- and Downl http://www.siemens.com// Industry Mall (Online or https://support.industry.siemens Service&Support (Manu https://support.industry.siemens	exit the Russian mar n/global/en/pressreleas the renewal of the cur Siemens office on the er than the sanctioned taging emens.com/cs/ww/en/w oadcenter (Catalogs, lowvoltage/catalogs dering system) ens.com/mall/en/en/Cat ials, Certificates, Chai emens.com/cs/ww/en/p ct images, 2D dimensi emens.com/bilddb/cax	ket (see here). e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru riew/109813875 Brochures,) talog/product?mlfb=3VA6 racteristics, FAQs,) bs/3VA6110-7KM36-2AA0 tion drawings, 3D model	Confirmation ssian-business AC certification if you intendusia or Belarus). S110-7KM36-2AA0 S, device circuit diagram	d to import or offer to su		







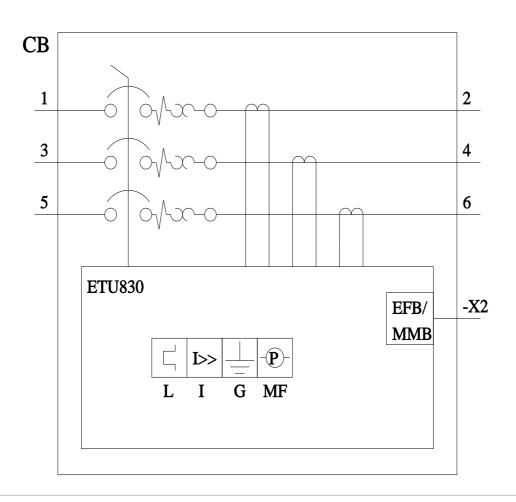




3VA61107KM362AA0 Page 4/6

8/15/2023

Subject to change without notice © Copyright Siemens



last modified:

8/14/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: <u>3VA61107KM362AA0</u>