SIEMENS

Data sheet

3VA6225-6JP31-0AA0

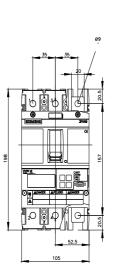


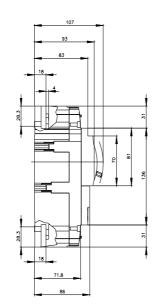
circuit breaker 3VA6 UL frame 250 breaking capacity class H 65kA @ 480V 3-pole, line protection ETU550, LSI, In=250A overload protection Ir=100A...250A short-circuit protection Isd=0.6..10x In, Ii=1.5..10x In N conductor protection optionally with external current transformer, up to 160% without connection

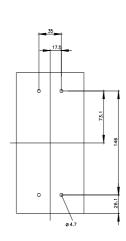
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HFAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU550
protection function of the overcurrent release	LSI
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	42 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	14 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	12 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	8 400
electrical endurance (operating cycles) / at 480 V	12 000
electrical endurance (operating cycles) / at 600 V	8 400
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	Yes
ground-fault monitoring version	without
product function	
 communication function 	Yes
 other measurement function 	No
Net Weight	2.211 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
● at 40 °C	250 A
● at 45 °C	250 A
● at 50 °C	250 A
● at 55 °C	238 A
● at 60 °C	225 A
● at 65 °C	213 A
• at 70 °C	200 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	

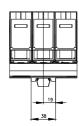
• at 240 V	110 kA
• at 415 V	85 kA
• at 690 V	3 kA
operating short-circuit current breaking capacity (Ics)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 690 V	3 kA
short-circuit current making capacity (Icm)	
• at 240 V	242 kA
• at 415 V	187 kA
• at 690 V	4.5 kA
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	100 kA
• at 480 V	65 kA
• at 600 Y/347 V	22 kA
• at 600 V	22 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with	
I2t characteristic	
• minimum	100 A
• maximum	250 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
• maximum	13 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum	150 A
• maximum	2 500 A
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	150 A
• maximum	2 500 A
adjustable response value delay time (tsd) / for S-tripping / with l0t characteristic	
• minimum	0.05 s
• maximum	0.5 s
adjustable response value delay time (tsd) / for S-tripping / with I2t characteristic	
• minimum	0.05 s
• maximum	0.5 s
adjustable response value setting current (li) / for I-tripping	
• minimum	375 A
• maximum	2 500 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
adjustable delay time / of S-trip / with I2t characteristic	0.5 s
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	375 A
• maximum	2 500 A
design of the N-conductor protection	adjustable OFF; 20% to 160%
product function / grounding protection	No
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
widur [III]	7.10 111

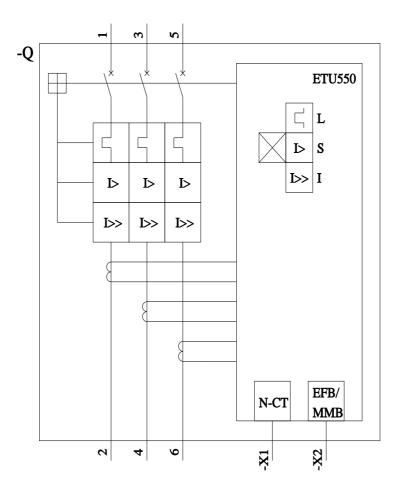
width	105	5 mm		
depth [in]	3.3	9 in		
depth	86	mm		
onnections				
arrangement of electrical connectors / for main	n current circuit Wit	hout connection		
type of electrical connection / for main current		hout		
uxiliary circuit	VII	nout		
	0			
number of CO contacts / for auxiliary contacts	0			
ccessories				
product extension / optional / motor drive	Yes	3		
nvironmental conditions				
protection class IP / on the front	IP4	0		
ambient temperature				
 during operation / minimum 	-25	°C		
 during operation / maximum 	70	C		
 during storage / minimum 	-40	°C		
 during storage / maximum 	80	°C		
ertificates				
reference code / according to IEC 81346-2	Q			
certificate of suitability / as approval for NAVA vessels) / supplement SB				
General Product Approval				
Confirmation	\sim	\sim	^	Miscellaneous
(\mathfrak{m})	(Ur)	<u>(Ur)</u>		
ccc	UL	UL	VDE	
General Product Ap-	Declaration of Quart			
General Product Ap- proval EMC	Declaration of Confe	ormity	Marine / Shipping	
· ENIC	Declaration of Confe	ormity	Marine / Shipping	
· ENIC	Declaration of Confe		Marine / Shipping	
· ENIC	Declaration of Confe	UK	Marine / Shipping	
· ENIC	CE	UK	Marine / Shipping	
· ENIC	Declaration of Confe CE EG-Konf.	UK	Marine / Shipping	
· ENIC	CE	UK CA		BUREAU VERITAS
· ENIC	CE	UK		BUREAU VERITAS
· ENIC	CE	urmity UK CA		BUREAU VERITAS
	C C EG-Konf.	UK		BUREAU VERITAS
	C C EG-Konf.	ormity UK Confirmation		Dangerous Good
	C C EG-Konf.	UK CA	ABS	
	C C EG-Konf.	UK CA	ABS	-
	C C EG-Konf.	UK CA	ABS	-
	C C EG-Konf.	UK CA	ABS	-
	C C EG-Konf.	UK CA	ABS	-
Marine / Shipping	C C EG-Konf.	UK CA	ABS	-
Image: Proval Proval Image: Proval Marine / Shipping Image: Proval Image: Proval Image: Proval The proval Image: Proval Image:	CEG-Konf. Other Miscellaneous	UK CA	ABS	-
Marine / Shipping	other Miscellaneous	Confirmation	ABS	-
proval ENIC EFRE EERE Marine / Shipping Marine / Shipping EFFE Image: Shipping Im	other Miscellaneous	Confirmation	ABS	-
proval ENIC EFFE EFFE Marine / Shipping ECM Marine / Shipping EFFE Interview EFFE Simens has decided to exit the Russian mathematical to exit to	CEG-Konf. other Miscellaneous	Confirmation	Miscellaneous	Transport Informati
proval ENIC EFFE EFFE Marine / Shipping ECM Marine / Shipping EFFE Image: Shipping EFFE Im	other Miscellaneous	Confirmation UKA Confirmation UKA	Miscellaneous	Transport Information
The information When the information Selence is working on the renewal of the of please contact your local Siemens office on the contact information Selence is working on the renewal of the of please contact your local Siemens office on the contact your local Siemens contact your local Siemens office on the conta	current EAC certificates. he status of validity of the E he de EAEU member states R	Confirmation UKA Confirmation UKA	Miscellaneous	Transport Information
proval ENIC EFFE EFFE Marine / Shipping ECM Marine / Shipping EFFE State of the shipping <td< td=""><td>CEG-Konf. other Miscellaneous Miscellaneous market (see here). case/siemens-wind-down-ru- current EAC certificates. he status of validity of the E ed EAEU member states Ru- n/view/109813875</td><td>Confirmation UKA Confirmation UKA</td><td>Miscellaneous</td><td>Transport Information</td></td<>	CEG-Konf. other Miscellaneous Miscellaneous market (see here). case/siemens-wind-down-ru- current EAC certificates. he status of validity of the E ed EAEU member states Ru- n/view/109813875	Confirmation UKA Confirmation UKA	Miscellaneous	Transport Information
Image: State of the second state of	CEG-Konf. other Miscellaneous Miscellaneous market (see here). case/siemens-wind-down-ru- current EAC certificates. he status of validity of the E ed EAEU member states Ru- n/view/109813875	Confirmation UKA Confirmation UKA	Miscellaneous	Transport Information
proval ENIC EFRE EERE Marine / Shipping ECM Marine / Shipping ECM Marine / Shipping ECM Image: Shipping ECM Marine / Shipping ECM Image: Shipping	other Miscellaneous narket (see here). case/siemens-wind-down-ru current EAC certificates. te status of validity of the E ed EAEU member states Ru n/view/109813875 is, Brochures,)	Confirmation Essian-business AC certification if you internussia or Belarus).	Miscellaneous	Transport Information
proval ENIC EFRE EERE Marine / Shipping ECM Ite action of the state of the s	other Miscellaneous market (see here). ease/siemens-wind-down-ru current EAC certificates. the status of validity of the E ed EAEU member states Ru n/view/109813875 [s, Brochures,) Catalog/product?mlfb=3VAd	Confirmation Essian-business AC certification if you internussia or Belarus).	Miscellaneous	Transport Information
proval ENIC EFRE EERE Marine / Shipping ECM Marine / Shipping EERE State / Shipping EER	other Miscellaneous narket (see here). ease/siemens-wind-down-ru current EAC certificates. he status of validity of the E ed EAEU member states Re n/view/109813875 (s, Brochures,) Catalog/product?mlfb=3VAR haracteristics, FAQs,)	Confirmation Sissian-business AC certification if you internussia or Belarus).	Miscellaneous	Transport Information
proval ENIC EFRE EERE Marine / Shipping ECM Signer / Shipping ECM Marine / Shipping ECM Marine / Shipping ECM Marine / Shipping ECM Signer / Shipping ECM Marine / Shipping ECM Signer / Shipping ECM Signer / Support industry siemens com/colobal/en/pressrelege Siemens is working on the renewal of the collease contact your local Siemens office on the EAC relevant market (other than the sanctioner formation on the packaging Information - and Downloadcenter (Catalogs information - and Downloadcenter (Catalogs industry Mall (Online ordering system) https://mall.industry.siemens.com/lowvoltage/catalogs industry Mall (Online ordering system) https://support.industry.siemens.com/cs/ww/end	other Miscellaneous narket (see here). ease/siemens-wind-down-ru current EAC certificates. he status of validity of the E ed EAEU member states Re n/view/109813875 is, Brochures,) Catalog/product?mlfb=3VAR haracteristics, FAQs,) n/ps/3VA6225-6JP31-0AAC	Confirmation Sissian-business AC certification if you internussia or Belarus). Sizz5-6JP31-0AA0	Miscellaneous	Transport Information
proval EMC Image: Constraint of the second secon	estetus of validity of the E estection of the certificates. he status of validity of the E ed EAEU member states R n/view/109813875 (s, Brochures,) Catalog/product?mlfb=3VA4 haracteristics, FAQs,) n/ps/3VA6225-6JP31-0AA0	Confirmation Confirmation Issian-business AC certification if you inten ussia or Belarus). 6225-6JP31-0AA0 S.	Miscellaneous	Transport Informatio
proval EMC ERE EEMC Marine / Shipping ECM Marine / Shipping EEMC Intervention EEMC Semens has decided to exit the Russian mathematic for the second composition on the packaging Information on the packaging Information on the packaging Information - and Downloadcenter (Catalogs Industry Mall (Online ordering system) Infugs://support.industry.siemens.com/cs/ww/eimal.ten/en/CS Ervice&Support (Manuals, Certificates, CI	estetus of validity of the E estection of the certificates. he status of validity of the E ed EAEU member states R n/view/109813875 (s, Brochures,) Catalog/product?mlfb=3VA4 haracteristics, FAQs,) n/ps/3VA6225-6JP31-0AA0	Confirmation Confirmation Issian-business AC certification if you inten ussia or Belarus). 6225-6JP31-0AA0 S.	Miscellaneous	Transport Informatio
proval EMC Image: Constraint of the second secon	estetus of validity of the E estection of the certificates. he status of validity of the E ed EAEU member states R n/view/109813875 (s, Brochures,) Catalog/product?mlfb=3VA4 haracteristics, FAQs,) n/ps/3VA6225-6JP31-0AA0	Confirmation Confirmation Issian-business AC certification if you inten ussia or Belarus). 6225-6JP31-0AA0 S.	Miscellaneous	Transport Informatio
proval EMC Image: Constraint of the second secon	estetus of validity of the E estection of the certificates. he status of validity of the E ed EAEU member states R n/view/109813875 (s, Brochures,) Catalog/product?mlfb=3VA4 haracteristics, FAQs,) n/ps/3VA6225-6JP31-0AA0	Confirmation Confirmation Issian-business AC certification if you inten ussia or Belarus). 6225-6JP31-0AA0 S.	Miscellaneous	Transport Informatio

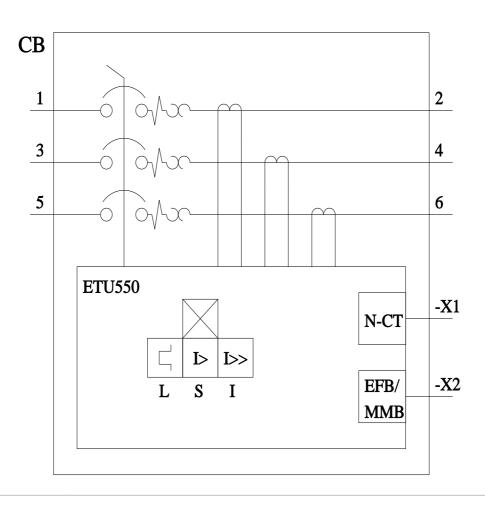












last modified:

8/14/2023 🖸

Mouser Electronics

Authorized Distributor

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

Siemens: <u>3VA62256JP310AA0</u>