3VA6225-6JP41-2AA0

## **Data sheet**



Circuit breaker 3VA6 UL frame 250 breaking capacity class H 65kA @ 480V 4-pole, Line protection ETU550, LSI, In=250A overload protection, 100% rated Ir=100A...250A Short-circuit protection Isd=0.6..10x In, Ii=1.5..10x In N conductor protection adjustable (OFF, up to 100%) 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	4	
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	No	
ground-fault monitoring version	without	
product function		
<ul> <li>communication function</li> </ul>	Yes	
other measurement function	No	
Net Weight	2.9 kg	
Current		
marking / according to UL 489 / 100%-rated breaker	Yes	
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 (lcs)	
● 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	075 A
• minimum	375 A
• maximum	2 500 A
adjustable setting current (InN) / for N-tripping	50.4
• minimum	50 A
• maximum	250 A
adjustable delay time / of S-trip / with I2t characteristic	0.5 s
adjustable current response value current / of instantaneous short-circuit trip unit	275. A
• minimum	375 A
• maximum	2 500 A
design of the N-conductor protection	adjustable OFF; 20% to 100%
product function / grounding protection	No
Mechanical Design	
product component	N <sub>2</sub>
undervoltage release	No No
voltage trigger	No No
• trip indicator	No
height [in]	7.8 in
height	198 mm
width [in]	5.51 in

140 mm		
3.39 in		
86 mm		
Connections		
Without connection		
Without		
0		
Yes		
IP40		
-25 °C		
70 °C		
-40 °C		
80 °C		
Q		
Yes		



Confirmation





**Miscellaneous** 



EMC Declaration of Conformity Marine / Shipping other











**Miscellaneous** 

other Dangerous Good

<u>Confirmation</u> <u>Miscellaneous</u> <u>Transport Information</u>

## 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=3VA6225-6JP41-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6225-6JP41-2AA0

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

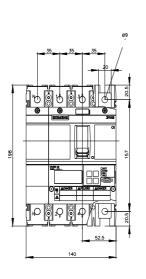
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA6225-6JP41-2AA0

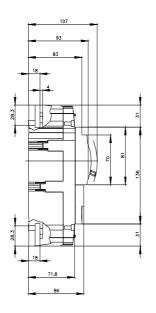
**CAx-Online-Generator** 

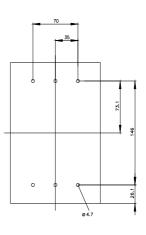
http://www.siemens.com/cax

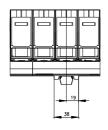
**Tender specifications** 

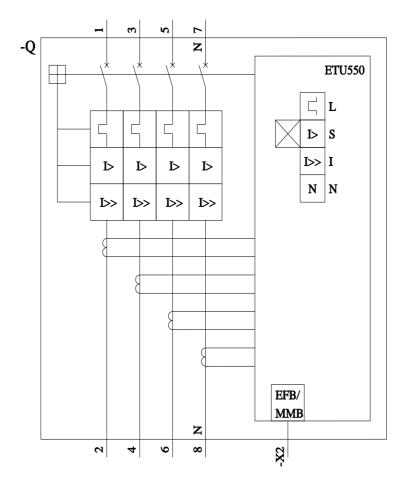
http://www.siemens.com/specifications

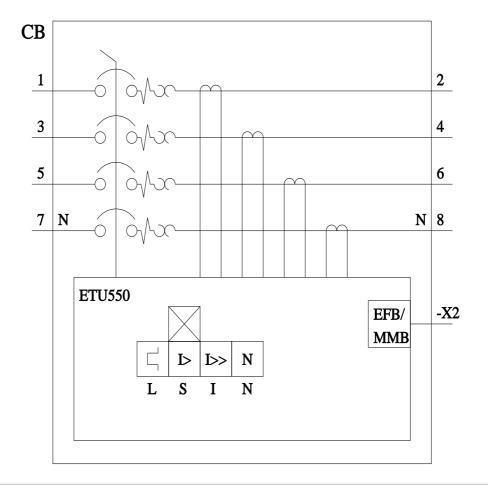












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