3VA2125-7HM32-0AA0

Data sheet



circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 3-pole, line protection ETU330, LIG, In=25A overload protection Ir=10A...25A short-circuit protection Ii=1.5...12 x In ground-fault protection Ig=0.6... 1 x In, tg=0.1/0.3s nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU330
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	0.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.2 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
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 	No
 other measurement function 	No
Net Weight	2.5 kg
Current	
operational current	
• at 40 °C	25 A
• at 45 °C	25 A
• at 50 °C	25 A
• at 55 °C	25 A
• at 60 °C	25 A
• at 65 °C	25 A
● at 70 °C	25 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 440 V	110 kA
● at 500 V	85 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 440 V	110 kA
● at 500 V	85 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
• at 415 V	242 kA
● at 440 V	242 kA
● at 500 V	187 kA
● at 690 V	3.7 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	10 A
• maximum	25 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
maximum	17 s
adjustable response value setting current (li) / for I-tripping	
• minimum	38 A
• maximum	300 A
adjustable current response value current / for G-tripping / with standard characteristic	
initial value	15 A
full-scale value	25 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• maximum	0.3 s
adjustable setting current (InN) / for N-tripping	
and the state of t	
• minimum	0 A
	0 A 0 A
minimum maximum product function / grounding protection	
minimum maximum	0 A
minimum maximum product function / grounding protection	0 A
minimum maximum product function / grounding protection Mechanical Design	0 A
minimum maximum product function / grounding protection Mechanical Design product component	0 A Yes
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release	0 A Yes
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger 	0 A Yes No
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator	O A Yes No No No
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] 	O A Yes No No No 7.13 in
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height 	0 A Yes No No No T.13 in 181 mm
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height [in]	0 A Yes No No No T.13 in 181 mm 4.13 in
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] 	0 A Yes No No No No 7.13 in 181 mm 4.13 in 105 mm
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] 	0 A Yes No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth	0 A Yes No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth Connections	0 A Yes No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth Connections arrangement of electrical connectors / for main current circuit	0 A Yes No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth Connections arrangement of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit
minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connectable conductor cross-sections / for flat-bar type of connectable conductor cross-sections / for flat-bar	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) 	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm 25 x 8 mm
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the 	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm 25 x 8 mm tin
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) 	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm 25 x 8 mm tin
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minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive	No No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm 25 x 8 mm tin
 minimum maximum product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height width [in] width depth [in] Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm Front terminal on both sides nut keeper kit 13 x 1 mm 25 x 8 mm tin

ambient temperature

• during operation / minimum

• during operation / maximum

• during storage / minimum

• during storage / maximum

80 °C

Certificates

Q

reference code / according to IEC 81346-2

General Product Approval

EMC

Confirmation





Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate

Miscellaneous

Type Test Certificates/Test Report



Marine / Shipping

other





CCS / China Classification Society Confirmation

Miscellaneous

Miscellaneous

Dangerous Good

Environment

Transport Information

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=3VA2125-7HM32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-7HM32-0AA0

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

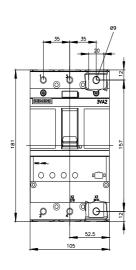
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2125-7HM32-0AA0

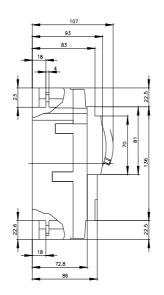
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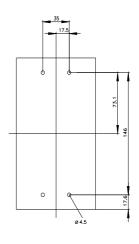
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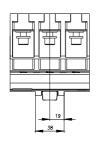
Tender specifications

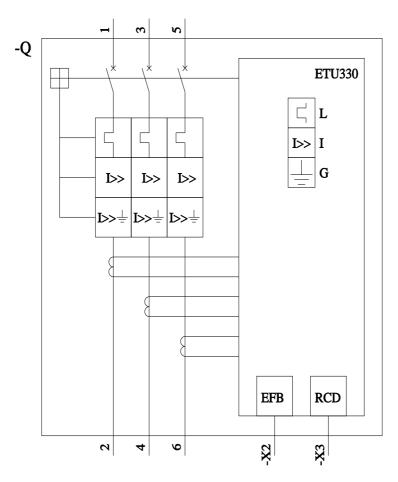
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