Data sheet

3VA6325-5HL32-2AA0



Circuit breaker 3VA6 UL frame 400 breaking capacity class M 35kA @ 480 V 3-pole, Line protection ETU320, LI, In=250A overload protection, 100% rated Ir=100A ...250A Short-circuit protection Ii=1.5...12 x In nut keeper kit on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	MJAE
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	ETU320
protection function of the overcurrent release	Ц
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	27 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 200
electrical endurance (operating cycles) / at 480 V	6 000
electrical endurance (operating cycles) / at 600 V	4 200
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	without
product function	
 communication function 	No
other measurement function	No
Net Weight	5.596 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	250 A
• at 60 °C	250 A
• at 65 °C	250 A
● at 70 °C	250 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	M
maximum short-circuit current breaking capacity (Icu)	

* at 240 V		
* al 69 0 Y		
September Sept		
# # # # # # # # # # # # # # # # # # #		5 kA
* at 45 V		
# - 1600 V		
187 KA		
		5 kA
+ at 45 V		
• at 890 V out for him graphed by according to UL-499 current breaking capacity • 12 40 V • at 480 V • at 800 V • at 800 V • at 800 V • at 600 V out 800 V • at		
Switching capacity according to UL 499 current breaking capacity		
current breaking capacity • 12 420 V • 34 680 V • 36 680 V • 38 1600 V Adjustable parameters - minimum • maximum • maximum • naximum • naximum • minimum • undervoitage release • voltage frigger No • voltage		7.5 kA
• at 240 V		
Adjustable parameters adjustable response value setting current (if) of the L-trip / with 12t characteristic - minimum - maximum - moduct function / grounding protection - who were the state of the		
Adjustable parameters adjustable response value setting current (Ir) / of the L-trip / with IZt characteristic iminimum 250 A adjustable response value delay time (Ir) / for L-tripping / with IZt characteristic iminimum 0.5 s maximum 0.5 s maximum 0.5 s maximum 17 s adjustable current response value current / of instantaneous short-cricuit trip unit iminimum 0.5 s maximum		
adjustable response value setting current (ir) / of the L-trip / with 12t characterists		18 kA
Iz characteristic minimum maximum maximum 100 A 250 A adjustable response value delay time (tr) / for L-tripping / with Izt characteristic minimum maximum 17 s adjustable current response value current / of instantaneous short-circuit tip unit minimum maximum maximum maximum 375 A 3000 A product naction / grounding protection Mochanical Design product component undervoltage release voltage trigger No voltage trigger No voltage trigger No voltage trigger No height [In] product naction signification height [In] signification height (In) signification signification signification signification height (In) signification sig		
maximum 250 A adjustable response value delay time (tr) / for L-tripping / with I2t characteristic minimum 0.5 s maximum 17 s adjustable current response value current / of instantaneous short-circuit für unit maximum 375 A adjustable current response value current / of instantaneous short-circuit für unit maximum 375 A maximum 375 A maximum 375 A maximum 370 A modelanical Design product component		
adjustable response value delay time (tr) / for L-tripping / with 12t characteristic	• minimum	
characteristic iminimum iminimum imaximum imaximum iminimum		250 A
adjustable current response value current / of instantaneous short-circuit trip unit minimum maximum maximum moduct function / grounding protection No Mechanical Design product component undervoltage release voltage trigger vitin dicator height [in] height		
adjustable current response value current / of instantaneous short-circuit trip unit	• minimum	0.5 s
short-circuit trip unit minimum maximum maximum mover and a source maximum mover and a source maximum mover and a source minimum mover and a source mover and a	maximum	17 s
• maximum 3 000 A product function / grounding protection No Mochanical Design Product component • undervoltage release No • voltage trigger No height [in] 9,76 in height 248 mm width [in] 5,43 in width 138 mm depth [in] 4.33 in depth [in] 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit fype of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for fial-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front eduring storage / minimum eduring storage / maximum 70 °C Certificates reference code / according to IEC 81346-2 Q		
product function / grounding protection Mechanical Design product component	• minimum	375 A
product component • undervoltage release • voltage trigger • trip indicator No height [in] height 248 mm width [in] 543 in width 138 mm depth [in] 4.33 in depth [in] 4.33 in 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 connector / for auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Persories product extension / optional / motor drive e during operation / minimum - 25 °C - Certificates reference code / according to IEC 81346-2 Q	maximum	3 000 A
product component • undervoltage release • voltage trigger • trip indicator height [in] height 248 mm width [in] 5.43 in width 138 mm depth [in] 4.33 in depth 110 mm 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 1xype of connectable conductor cross-sections / for flat-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / maximum - 40 °C eduring storage / minimum • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	product function / grounding protection	No
● undervoltage release ● voltage trigger ● trip indicator No height [in] 9.76 in height 248 mm width [in] 5.43 in width 138 mm depth [in] 4.33 in depth 110 mm 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 connector / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front IP40 ambient temperature e during operation / maximum - 25 °C e during storage / minimum - 40 °C e during storage / minimum - 40 °C certificates reference code / according to IEC 81346-2 Q	Mechanical Design	
• voltage trigger • trip indicator No height [in] 9.76 in height 248 mm width [in] 5.43 in width 138 mm depth 110 mm 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 / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts protection class IP / on the front ambient temperature • during operation / maximum • during storage / according to IEC 81346-2 Q	product component	
• trip indicator No height [in] 9.76 in height 248 mm width [in] 5.43 in width 138 mm depth [in] 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit 7.50 electrical connection / for flat-bar 7.50 electrical connection / mainimum 7.50 electrical conditions protection class IP / on the front 8.50 electrical conditions 8.50 electrical conditions 8.50 electrical conditions 9.50 elect	undervoltage release	No
height [in] 9.76 in height 248 mm width 19 5.43 in width 19 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit fype of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum Auxillary circuit number of CO contacts / for auxillary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front IP40 ambient temperature • during operation / minimum • during storage / minimum • during storage / minimum • during storage / maximum	 voltage trigger 	No
height 248 mm width [in] 5.43 in width 138 mm depth [in] 4.33 in depth [in] 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit rype of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum 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 / maximum • during storage / minimum • during storage / minimum • during storage / minimum • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	trip indicator	No
width [in] 5.43 in width 138 mm depth [in] 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum 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 - 40 °C • during storage / minimum - 40 °C • during storage / maximum - 80 °C Certificates reference code / according to IEC 81346-2 Q	height [in]	9.76 in
width 138 mm depth [in] 4.33 in depth 110 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front IP40 ambient temperature	height	248 mm
depth [in] 4.33 in depth 1110 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum 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 / minimum -40 °C • during storage / maximum -80 °C Certificates reference code / according to IEC 81346-2 Q	width [in]	5.43 in
depth 110 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum 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	width	138 mm
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 Auxiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature	depth [in]	4.33 in
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -25 °C • during operation / maximum -40 °C • during storage / minimum -40 °C • during storage / maximum -40 °C certificates reference code / according to IEC 81346-2 Q	depth	110 mm
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 Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / maximum • during operation / maximum -25 °C • during storage / minimum -40 °C • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	Connections	
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum	arrangement of electrical connectors / for main current circuit	Front connection
terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum • during storage / maximum • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q		
terminal connection / maximum Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature during operation / minimum during operation / maximum during storage / minimum during storage / maximum during storage / maximum during storage / maximum eduring storage / maximum during storage / maximum go C Certificates reference code / according to IEC 81346-2 Q		20 x 1 mm
number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -25 °C • during operation / maximum during storage / minimum -40 °C • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	terminal connection / maximum	35 x 10 mm
Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front 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	Auxiliary circuit	
product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum Certificates reference code / according to IEC 81346-2 Q	number of CO contacts / for auxiliary contacts	0
protection class IP / on the front ambient temperature during operation / minimum during operation / maximum during storage / minimum during storage / maximum during storage / maximum eduring storage / maximum during storage / maximum equip storage / maximum guarantee Certificates reference code / according to IEC 81346-2 Q	Accessories	
protection class IP / on the front ambient temperature • during operation / minimum • during operation / maximum 70 °C • during storage / minimum • during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	product extension / optional / motor drive	Yes
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		
 during operation / minimum during operation / maximum during storage / minimum during storage / maximum during storage / maximum Certificates reference code / according to IEC 81346-2 Q	Environmental conditions	
during operation / maximum during storage / minimum during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	protection class IP / on the front	IP40
during storage / minimum during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q	protection class IP / on the front	
during storage / maximum 80 °C Certificates reference code / according to IEC 81346-2 Q Q	protection class IP / on the front ambient temperature	-25 °C
Certificates reference code / according to IEC 81346-2 Q	protection class IP / on the front ambient temperature • during operation / minimum	-25 °C
reference code / according to IEC 81346-2 Q	protection class IP / on the front ambient temperature	-25 °C 70 °C
	protection class IP / on the front ambient temperature	-25 °C 70 °C -40 °C
certificate of suitability / as approval for NAVAL (no combat	protection class IP / on the front ambient temperature	-25 °C 70 °C -40 °C
	protection class IP / on the front ambient temperature	-25 °C 70 °C -40 °C 80 °C

General Product Approval

Declaration of Conformity



Confirmation



Miscellaneous

EAC



Declaration of Conformity

Marine / Shipping

other

Dangerous Good





Confirmation

Miscellaneous

Transport Information

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=3VA6325-5HL32-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6325-5HL32-2AA0

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

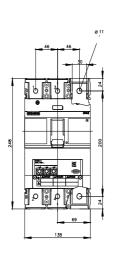
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6325-5HL32-2AA0

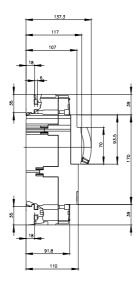
CAx-Online-Generator

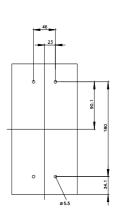
http://www.siemens.com/cax

Tender specifications

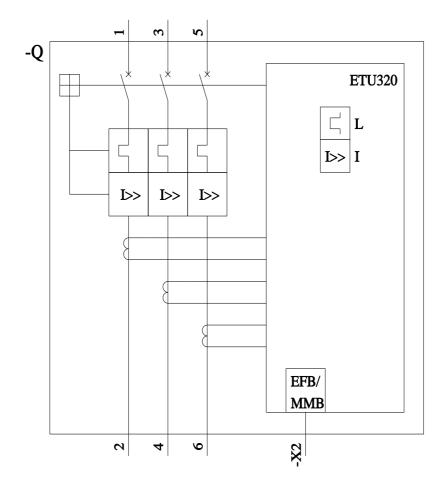
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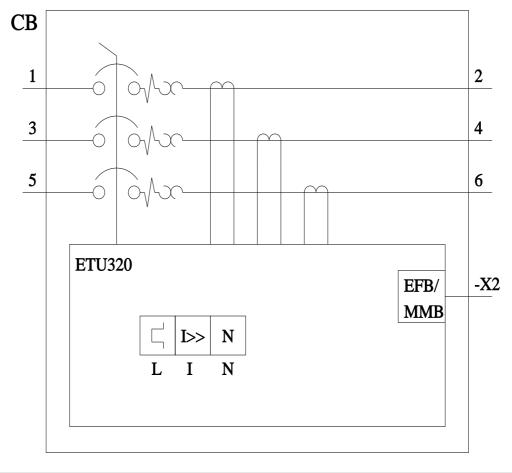












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