SIEMENS

Data sheet

3VA2063-8HM32-0AA0



circuit breaker 3VA2 IEC frame 100 breaking capacity class L Icu=150kA @ 415V 3-pole, line protection ETU330, LIG, In=63A overload protection Ir=25A...63A short-circuit protection Ii=1.5...12 x In ground-fault protection Ig=0.25... 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	3 W				
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1 W				
mechanical service life (operating cycles) / typical	25 000				
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	15 000				
electrical endurance (operating cycles) / at AC-1 / at 690 V	10 500				
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	63 A				
● at 45 °C	63 A				
● at 50 °C	63 A				
● at 55 °C	63 A				
• at 60 °C	63 A				
● at 65 °C	63 A				
• at 70 °C	63 A				
Switching capacity according to IEC 60947					
switching capacity class of the circuit breaker	L				
maximum short-circuit current breaking capacity (Icu)					
• at 240 V	200 kA				
• at 415 V	150 kA				
• at 440 V	150 kA				
• at 500 V	100 kA				
• at 690 V	25 kA				
operating short-circuit current breaking capacity (Ics)					

• at 240 V	200 kA
• at 415 V	150 kA
• at 440 V	150 kA
• at 500 V	100 kA
• at 690 V	18 kA
short-circuit current making capacity (Icm)	
• at 240 V	440 kA
• at 415 V	330 kA
• at 440 V	330 kA
• at 500 V	220 kA
• at 690 V	52.5 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	25 A
• maximum	63 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	95 A
• maximum	756 A
adjustable current response value current / for G-tripping / with standard characteristic	
• initial value	16 A
full-scale value	63 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• maximum	0.3 s
	Vee
product function / grounding protection	Yes
Mechanical Design	
Mechanical Design	No
Mechanical Design product component	
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator	No No No
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in]	No No No 7.13 in
Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height	No No 7.13 in 181 mm
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in]	No No 7.13 in 181 mm 4.13 in
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] width [in] width	No No No 7.13 in 181 mm 4.13 in 105 mm
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height width [in] width depth [in]	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height width [in] width depth [in]	No No No 7.13 in 181 mm 4.13 in 105 mm
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height width [in] width depth Connections	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in
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	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height width [in] width depth Connections	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
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	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
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 / minimum	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
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)	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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)	No No No 7.13 in 181 mm 4.13 in 105 mm 3.39 in 86 mm
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	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
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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) Auxiliary circuit number of CO contacts / for auxiliary contacts	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
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	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
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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 / minimum 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 0
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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 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 0
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions	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 Ves
Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height 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) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front	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 Ves

 during storage / r during storage / r 			-40 °C 80 °C				
Certificates							
reference code / accord			Q				
General Product Appr	oval					EMC	
<u>Confirmation</u>	CCC			<u>Miscellaneous</u>	EAC	RCM	
Declaration of Confor	mity	Test Certificates	s			Marine / Shipping	
UK CA	CE EG-Konf.	<u>Special Test Cer</u> <u>ate</u>	<u>rtific-</u>	Type Test Certific- ates/Test Report	Miscellaneous	ABS	
Marine / Shipping			(other			
B UREAU VERITAS		CCS / China Clas ation Society		<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Miscellaneous</u>	
Dangerous Good	Environment						
Transport Information	Environmental Con- firmations						
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=3VA2063-8HM32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2063-8HM32-0AA0

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

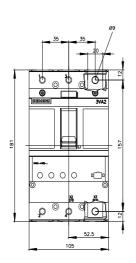
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-8HM32-0AA0

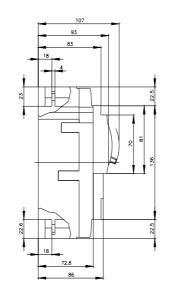
CAx-Online-Generator

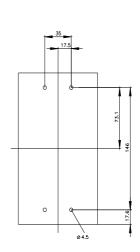
http://www.siemens.com/cax

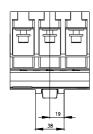
Tender specifications

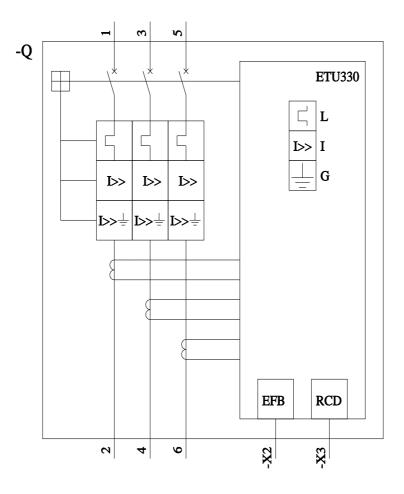
http://www.siemens.com/specifications











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