SIEMENS

Data sheet

3VA2163-7HN32-0AA0



circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 3-pole, line protection ETU350, LSI, In=63A overload protection Ir=25A...63A short-circuit protection Isd=1.5...10 x Ir, Ii=12 x In nut keeper kit

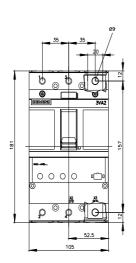
Model					
product brand name	SENTRON				
product designation	Molded case circuit breaker				
design of the product	Line protection				
design of the overcurrent release	ETU350				
protection function of the overcurrent release	LSI				
number of poles	3				
General technical data					
insulation voltage / rated value	800 V				
operating voltage / at AC / rated value	690 V				
power loss [W] / maximum	4 W				
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.33 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	Without				
product function					
 communication function 	No				
 other measurement function 	No				
Net Weight	2.159 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	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)					

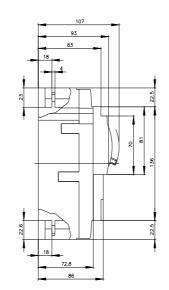
• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
• at 415 V	242 kA
• at 440 V	242 kA 187 kA
• at 500 V	
• at 690 V	3.7 kA
Adjustable parameters	Na
product feature / for L-tripping / can be switched 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 (Isd) / of S-trip / with I2t characteristic	
• minimum	94 A
• maximum	630 A
adjustable response value delay time (tsd) / for S-tripping / with l2t characteristic	
• minimum	0.0001 s
• maximum	0.4 s
adjustable response value setting current (li) / for I-tripping	
• minimum	756 A
• maximum	756 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
• trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	4.13 in
width	105 mm
depth [in]	3.39 in 86 mm
depth Connections	
	Front terminal
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit	on both sides nut keeper kit
type of connectable conductor cross-sections / for flat-bar	13 x 1 mm
terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	25 x 8 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	tin
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	tin
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	

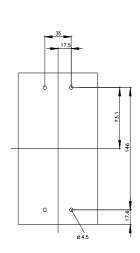
protection class IP / on the front		IP4	IP40			
ambient temperature						
during operation / minimum		-25	-25 °C			
 during operation 	n / maximum	70 °	°C			
 during storage / 	' minimum	-40	-40 °C			
during storage / maximum		80 °	80 °C			
Certificates						
reference code / accor	rding to IEC 81346-2	Q				
General Product Ap	proval				EMC	
	<u>Confirmation</u>	DE	<u>Miscellaneous</u>	EAC	RCM	
Declaration of Confo	ormity	Test Certificates			Marine / Shipping	
CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	<u>Miscellaneous</u>	ABS	
Marine / Shipping				other		
BUREAU VERITAS		KMRS	<u>CCS / China Classific-</u> ation Society	<u>Miscellaneous</u>	<u>Confirmation</u>	
other	Dangerous Good	Environment				
<u>Miscellaneous</u>	Transport Information	Environmental Con- firmations				

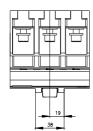
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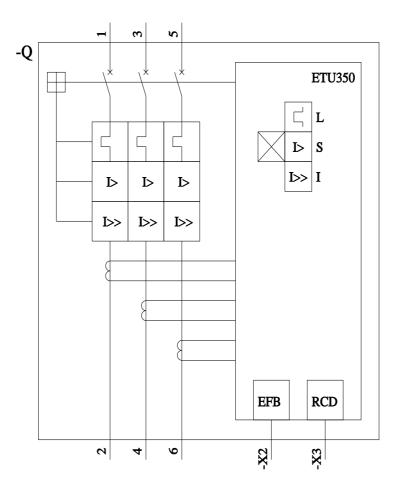
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-winddown-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification 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=3VA2163-7HN32-0AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA2163-7HN32-0AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2163-7HN32-0AA0 CAx-Online-Generator http://www.siemens.com/cax **Tender specifications** http://www.siemens.com/specifications











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