SIEMENS

Data sheet

3VA1110-5EE32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, LINE PROTECTION TM220, ATFM, IN=100A OVERLOAD PROTECTION IR=70A ...100A SHORT CIRCUIT PROTECTION II=10 X IN BUSBAR CONNECTION

Figure similar

Model				
product brand name		SENTRON		
Product designation		Molded case circuit breaker		
Design of the product		Line protection		
Product variations		General Applications		
Ground fault monitoring version		Without		
Design of the auxiliary release		Without auxiliary release		
Design of the auxiliary switch		Without		
Design of the operating mechanism		toggle handle		
Type of the driving mechanism / motor drive		No		
Design of the overcurrent release		TM220		
General technical data				
Number of poles		3		
Trip class / of the L-trip / with I2t characteristic / initial value		1		
Trip class / of the L-trip / with I2t characteristic / Full- scale value		1		
Electrical endurance (switching cycles)				
• at AC-1 / at 380/415 V / at 50/60 Hz		8 000		
circuit-breaker / Design		3VA		
Mechanical service life (switching cycles) / typical		15 000		
Voltage				
Insulation voltage / Rated value	V	800		
Protection class				

Protection class IP		IP40	
Protection class IP / on the front	-	IP40	
Protective function of the overcurrent release	_	LI	
Cusitaking conceits	_		
Switching capacity Switching capacity class of the circuit breaker	-	M	
Ownering departy blass of the broak broaker			
Dissipation			
Active power loss			
• maximum	W	25	
Electricity			
Continuous current / Rated value / maximum	А	160	
Continuous current / Rated value	А	100	
Adjustable response value current			
 of the current-dependent overload release / Full-scale value 	A	1	
 of the instantaneous short-circuit release / initial value 	A	10	
Main circuit			
Operating voltage			
• with AC / at 50/60 Hz / Rated value	V	690	
 for DC / Rated value 	V	500	
Operating current	_		
• at 40 °C / Rated value	А	100	
• at 50 °C / Rated value	А	100	
● at 55 °C / Rated value	А	98	
● at 60 °C / Rated value	А	96	
● at 65 °C / Rated value	А	94	
• at 70 °C / Rated value	А	91	
Auxiliary circuit			
Number of CO contacts / for auxiliary contacts		0	
Suitability			
Suitability for use		system protection	
Adjustable parameters			
Adjustable response value current			
 of I-trip / Full-scale value 	А	10	
 for N-conductor protection / initial value 	А	0	
 for N-conductor protection / Full-scale value 	А	0	
Adjustable response value current / of the current- dependent overload release / initial value	А	0.7	
Product details			
Product component			

Trip indicator		No
• display		No
Voltage trigger		No
 undervoltage release 		No
 undervoltage release with leading contact 		No
Product property	-	
 for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof 		No
Product expansion / optional / motor drive	-	Yes
Product function		
Product function		
 Intrinsic device protection 		Yes
 communication function 		No
 Phase failure detection 		No
 other measurement function 		No
Accessories		
Manufacturer article number / of the supplied basic		3VA1110-5EE32-0AA0
switch		
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	85
• at 415 V / Rated value	kA	55
• at 440 V / Rated value	kA	30
• at 500 V / Rated value	kA	15
• at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	85
• at 415 V / Rated value	kA	55
• at 440 V / Rated value	kA	30
• at 500 V / Rated value	kA	20
• at 690 V / Rated value	kA	10
Short-circuit current making capacity (Icm)	-	
• at 240 V / Rated value	kA	187
• at 415 V / Rated value	kA	121
• at 690 V / Rated value	kA	17
Connections		
Arrangement of electrical connectors / for main current circuit		Front terminal
Type of connectable conductor cross section		

Type of connectable conductor cross-section

	17 x 6.5	
	Lug termina	al
mm	130	
mm	76.2	
mm	70	
	fixed mount	ling
°C	-25	
°C	70	
°C	-40	
°C	80	
	Q	
	Q	
	Declaration of Conformity	Shipping Approval
	EG-Konf.	GL DNV GL
	°C °C °C °C °C	Imm 130 Imm 76.2 Imm 70 Imm 70

⁻ urther	Inform	ation
untinen		alion

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11105EE320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11105EE320AA0/all

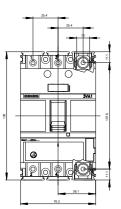
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11105EE320AA0

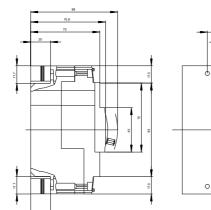
CAx-Online-Generator

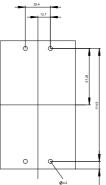
http://www.siemens.com/cax

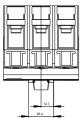
Tender specifications

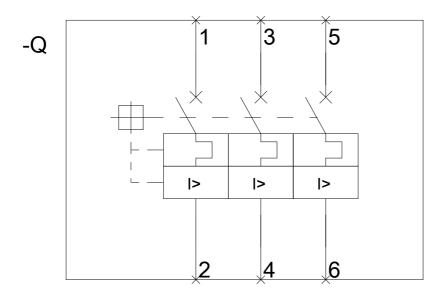
http://ausschreibungstexte.siemens.com/tiplv











last modified:

11.03.2015