SIEMENS

Datasheet

3VA1110-3EE32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS N ICU=25KA @ 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		
Protective function of the overcurrent release		LI
Switching capacity		
Switching capacity class of the circuit breaker		N
Dissipation		
Active power loss		25
• maximum	W	25
Electricity		
Operating current / at 45 °C / Rated value	А	100
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	А	100
Adjustable response value current		
• of the current-dependent overload release /	А	1
Full-scale value		
of the instantaneous short-circuit release / initial	A	10
value		000
Net weight	g	900
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 Ltrip / Full coole value	•	10
 of I-trip / Full-scale value 	A	10
 or N-conductor protection / initial value 	A	0

Adjustable response value current / of the current- dependent overload release / initial value	А	0.7
Appearance		
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 / 		No
upgradeable/retrofittable / Short-circuit and		
overload proof	_	
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		3VA1110-3EE32-0AA0
switch		
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
at 240 V / Rated value	kA	36
at 415 V / Rated value	kA	25
at 440 V / Rated value	kA	16
	kA	8
at 500 V / Rated value	kA	5
at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)		с.
 Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value 	kA	36
	kA	25
at 415 V / Rated value		16
at 440 V / Rated value	kA kA	
at 690 V / Rated value	kA	7
Short-circuit current making capacity (Icm)	1.0	75.0
 at 240 V / Rated value 	kA	75.6

• at 415 V / Rated value	kA	52.5
• at 690 V / Rated value	kA	7.5
Connections		
Arrangement of electrical connectors		
 for main current circuit 		Front terminal
Type of connectable conductor cross-section		
 for flat-bar terminal connection / minimum 		12 x 0
 for flat-bar terminal connection / maximum 		17 x 6.5
Design of the electrical connection		
• for main current circuit		Lug terminal
Mechanical Design		
Height	mm	130
Width	mm	76.2
Depth	mm	70
Mounting type		fixed mounting
Environmental conditions		
Ambient temperature		
 during operation / minimum 	°C	-25
 during operation / maximum 	°C	70
 during storage / minimum 	°C	-40
 during storage / maximum 	°C	80
Certificates		
Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
General Product Approval EMC		claration of Shipping other nformity Approval
ccc EAC		Konf. GL

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

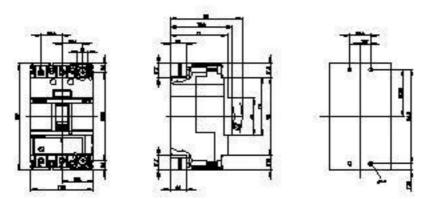
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11103EE320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11103EE320AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11103EE320AA0

CAx-Online-Generator

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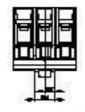


Figure similar

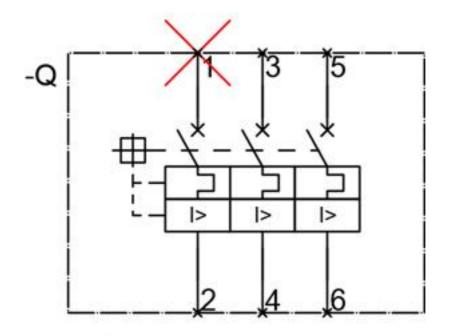


Figure similar

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