SIEMENS

Datasheet

3VA1116-3EE32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS N ICU=25KA @ 415 V 3-POLE, LINE PROTECTION TM220, ATFM, IN=160A OVERLOAD PROTECTION IR=112A ...160A 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		
/oltage				
Insulation voltage				
Rated value	V	800		

Protection class		
Protective function of the overcurrent release		LI
Cultaking constitu	_	
Switching capacity Switching capacity class of the circuit breaker	_	N
Dissipation	_	
Active power loss		
• maximum	W	38
Electricity		
Operating current / at 45 °C / Rated value	А	160
Continuous current / Rated value / maximum	А	160
Continuous current	-	
 Rated value 	А	160
Adjustable response value current		
 of the current-dependent overload release / 	А	1
Full-scale value		
• of the instantaneous short-circuit release / initial	А	10
value	_	
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	160
● at 50 °C / Rated value	А	160
• at 55 °C / Rated value	А	158
• at 60 °C / Rated value	А	155
• at 65 °C / Rated value	А	153
• at 70 °C / Rated value	А	150
Auxiliary circuit		
Number of CO contacts		
 for auxiliary contacts 		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current	А	10
of I-trip / Full-scale value		
• for N-conductor protection / initial value	A	0
 for N-conductor protection / Full-scale 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 / 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 switch		3VA1116-3EE32-0AA0
Short circuit		
Operational short-circuit current breaking capacity		
 (Ics) at 240 V / Rated value 	kA	36
at 240 V / Rated value at 415 V / Rated value	kA	25
• al 413 V / Raleu Value		
• at 110 V / Poted value	kΔ	16
at 440 V / Rated value	kA ka	16
• at 500 V / Rated value	kA	8
 at 500 V / Rated value at 690 V / Rated value 		
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)	kA kA	8 5
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value 	kA kA kA	8 5 36
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value at 415 V / Rated value 	kA kA kA kA	8 5 36 25
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 	kA kA kA kA kA	8 5 36 25 16
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value at 415 V / Rated value 	kA kA kA kA	8 5 36 25

• 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 termin	al	
Type of connectable conductor cross-section					
 for flat-bar terminal connection / minimur 	n		12 x 0		
 for flat-bar terminal connection / maximu 	m		17 x 6.5		
Design of the electrical connection					
• for main current circuit			Lug terminal	Lug terminal	
lechanical Design					
Height		mm	130		
Width		mm	76.2		
Depth		mm	70		
Mounting type			fixed mounti	ng	
nvironmental conditions					
Ambient temperature					
 during operation / minimum 		°C	-25		
 during operation / maximum 		°C	70		
 during storage / minimum 		°C	-40		
 during storage / maximum 		°C	80		
ertificates					
Reference code					
• acc. to DIN EN 61346-2			Q		
• acc. to DIN EN 81346-2			Q		
General Product Approval EN	MC		claration of	Shipping Approval	other
ГПГ	other		^		other
			t	GL	
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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/3VA11163EE320AA0

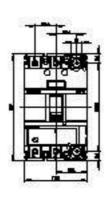
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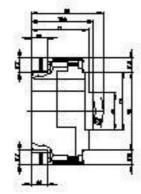
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11163EE320AA0

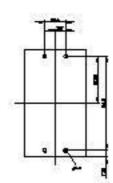
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications http://ausschreibungstexte.siemens.com/tiplv







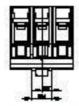


Figure similar

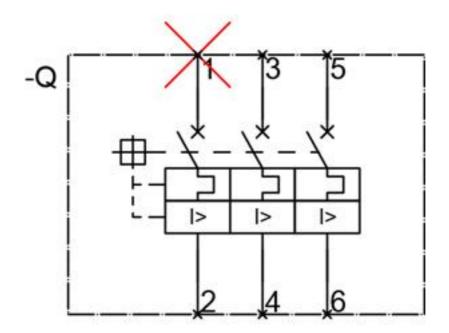


Figure similar

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