SIEMENS

Datasheet

3VA1112-5FE42-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4-POLE, LINE PROTECTION TM220, ATFM, IN=125A OVERLOAD PROTECTION IR=87,5A ...125A SHORT CIRCUIT PROTECTION II=10 X IN NEUTRAL PROTECTION 50% BUSBAR CONNECTION

Figure similar

Vlodel				
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		4		
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
Quitabing consoits	_	
Switching capacity Switching capacity class of the circuit breaker	_	Μ
		101
Dissipation	-	
Active power loss		
• maximum	W	23.2
Electricity		
Operating current / at 45 °C / Rated value	А	125
Continuous current / Rated value / maximum	А	160
Continuous current	-	
Rated value	А	125
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	1 200
Main circuit		
Operating voltage		
 with AC / at 50/60 Hz / Rated value 	V	690
 for DC / Rated value 	V	600
Operating current	_	
• at 40 °C / Rated value	А	125
• at 50 °C / Rated value	А	125
• at 55 °C / Rated value	А	122
● at 60 °C / Rated value	А	120
● at 65 °C / Rated value	А	117
• at 70 °C / Rated value	А	114
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	0.5
for N-conductor protection / Full-scale value	A	0.5
Torne conductor protection / I ull-scale value	••	

Adjustable response value current / of the current-	А	0.7
dependent overload release / initial value		
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		3VA1112-5FE42-0AA0
Short circuit	_	
Operational short-circuit current breaking capacity		
(Ics)		
(Ics) ● at 240 V / Rated value	kA	85
	kA	55
• at 240 V / Rated value	kA kA	55 30
 at 240 V / Rated value at 415 V / Rated value 	kA kA kA	55 30 15
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 	kA kA	55 30
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value 	kA kA kA kA	55 30 15
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value 	kA kA kA	55 30 15
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)	kA kA kA kA	55 30 15 5
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 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 kA kA	55 30 15 5 85
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 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 kA	55 30 15 5 85 55

• at 240 V / Rated value		kA ka	187			
• at 415 V / Rated value		kA	121			
• at 690 V / Rated value	ŀ	kA	17			
Connections						
Arrangement of electrical connectors						
 for main current circuit 			Front termin	al		
Type of connectable conductor cross-section						
 for flat-bar terminal connection / minimum 	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 termina	terminal		
lechanical Design						
Height	r	mm	130			
Width	r	mm	101.6			
Depth	r	mm	70			
Mounting type			fixed mounting			
invironmental conditions						
Ambient temperature						
 during operation / minimum 	c	°C	-25			
 during operation / maximum 	c	°C	70			
 during storage / minimum 	c	°C	-40			
 during storage / maximum 	c	°C	80			
Certificates						
Reference code						
• acc. to DIN EN 61346-2			Q			
• acc. to DIN EN 81346-2			Q			
General Product Approval El	МС		claration of	Shipping	other	
		Co	nformity	Approval		
ста ГПГ	other				other	
			t	GL		
		EG				

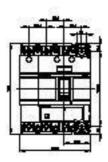
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

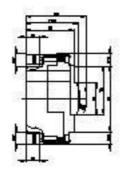
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11125FE420AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11125FE420AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11125FE420AA0

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





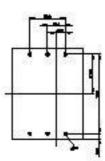




Figure similar

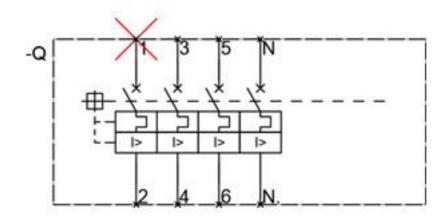


Figure similar

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