SIEMENS

Data sheet

3VA1125-4EF32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS S ICU=36KA @ 415 V 3-POLE, LINE PROTECTION TM240, ATAM, IN=25A OVERLOAD PROTECTION IR=17,5A ...25A SHORT CIRCUIT PROTECTION II=6,4...12,8 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		TM240				
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	Voltage					
Insulation voltage / Rated value	V	800				
Protection class						

Protection class IP / on the front Protective function of the overcurrent release Switching capacity Switching capacity class of the circuit breaker		IP40 LI
Switching capacity		LI
	-	
		S
		0
Dissipation		
Active power loss		
● maximum	W	8.5
Electricity		
Continuous current / Rated value / maximum	А	160
Continuous current / Rated value	А	25
Adjustable response value current		
 of the current-dependent overload release / Full-scale value 	A	1
 of the instantaneous short-circuit release / initial value 	A	5
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	25
• at 50 °C / Rated value	А	25
• at 55 °C / Rated value	А	24
• at 60 °C / Rated value	А	24
• at 65 °C / Rated value	А	23
• at 70 °C / Rated value	А	23
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	A	0.7
Product details		
Product component		

• Trin indicator		No
Trip indicator		No
• display		
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		<u>3VA1125-4EF32-0AA0</u>
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	55
• at 415 V / Rated value	kA	36
• at 440 V / Rated value	kA	25
• 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	55
• at 415 V / Rated value	kA	36
• at 440 V / Rated value	kA	25
• at 500 V / Rated value	kA	16
• at 690 V / Rated value	kA	7
Short-circuit current making capacity (Icm)		
• at 240 V / Rated value	kA	121
• at 415 V / Rated value	kA	75.6
• at 690 V / Rated value	kA	7.5
Connections		
Arrangement of electrical connectors / for main		Front terminal
current circuit		

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

Further information

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/3VA11254EF320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11254EF320AA0/all

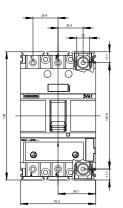
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11254EF320AA0

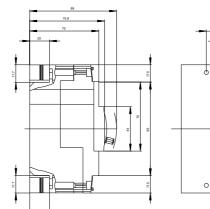
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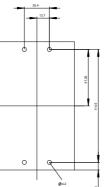
http://www.siemens.com/cax

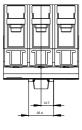
Tender specifications

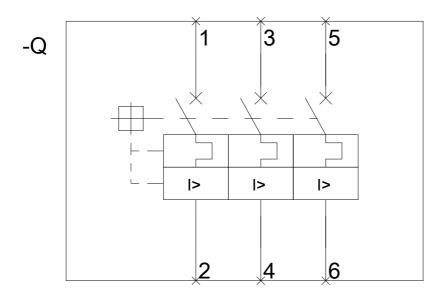
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