SIEMENS

Datasheet

3VA1196-3GF42-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS N ICU=25KA @ 415 V 4-POLE, LINE PROTECTION TM240, ATAM, IN=16A OVERLOAD PROTECTION IR=11,2A ...16A SHORT CIRCUIT PROTECTION II=5 X IN NEUTRAL PROTECTION 100% 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		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		
Voltage				
Insulation voltage				
Rated value	V	800		

Operating current / at 45 °C / Rated value A 16 Continuous current / Rated value / maximum A 160 Continuous current A 160 Continuous current A 16 Adjustable response value current A 16 Adjustable response value current A 16 Adjustable response value current-dependent overload release / Full-scale value A 1 • of the instantaneous short-circuit release / initial value A 5 Net weight g 1 200 Main circuit V 690 Operating voltage V 690 • with AC / at 50/60 Hz / Rated value V 690 • for DC / Rated value A 16 • at 40 °C / Rated value A 16 • at 50 °C / Rated value A 16 • at 50 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 60 °C / Rated value A 15 • at 70 °C / Rated value A 15 <	Protection class		
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• at 70 °C / Rated valueA15Auxiliary circuitImage: Comparison of CO contacts • for auxiliary contacts0Suitability0SuitabilitySystem protectionAdjustable parametersImage: Comparison of L-trip / Full-scale valueAAdjustable response value current • of L-trip / Full-scale valueA10	• at 60 °C / Rated value	А	15
Auxiliary circuit Image: Auxiliary circuit Number of CO contacts 0 • for auxiliary contacts 0 Suitability • Suitability for use • Suitability for use system protection Adjustable parameters Adjustable response value current • of I-trip / Full-scale value A	• at 65 °C / Rated value	А	15
Number of CO contacts 0 • for auxiliary contacts 0 Suitability 0 • Suitability for use system protection Adjustable parameters Adjustable response value current • of I-trip / Full-scale value A	• at 70 °C / Rated value	А	15
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of I-trip / Full-scale value A 10	Adjustable parameters		
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	 for N-conductor protection / initial value 	А	100
for N-conductor protection / Full-scale value A 100	 for N-conductor protection / Full-scale value 	А	100

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	No
	Νο
-	
	Yes
	Yes
	No
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	3VA1196-3GF42-0AA0
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kA	25
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kA kA	5
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		75.6			
• at 240 V / Rated value	kA	75.6			
• at 415 V / Rated value	kA	52.5			
• at 690 V / Rated value	kA	7.5			
onnections					
Arrangement of electrical connectors					
 for main current circuit 		Front termin	al		
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 termina	Lug terminal		
lechanical Design					
Height	mm	130			
Width	mm	101.6			
Depth	mm	70			
Mounting type		fixed mount	fixed mounting		
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			
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	ner			other	
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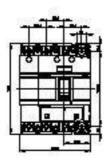
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

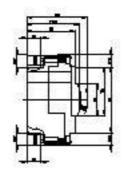
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11963GF420AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11963GF420AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11963GF420AA0

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





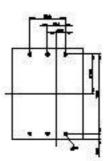




Figure similar

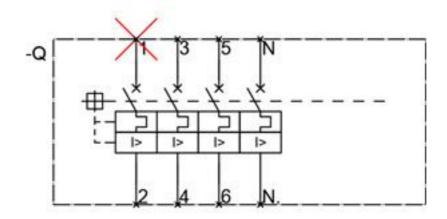


Figure similar

last modified:

21.10.2014