## **SIEMENS**

## **Datasheet**

3VA1196-4ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS S ICU=36KA @ 415 V 3-POLE, LINE PROTECTION TM210, FTFM, IN=16A OVERLOAD PROTECTION IR=16A FIXED SHORT CIRCUIT PROTECTION II=20 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	TM210

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		S
Dissipation		
Active power loss	147	40.0
• maximum	W	10.6
Electricity		
Operating current / at 45 °C / Rated value	Α	16
Continuous current / Rated value / maximum	Α	160
Continuous current		
Rated value	Α	16
Adjustable response value current		
<ul> <li>of the current-dependent overload release / Full-scale value</li> </ul>	Α	1
• of the instantaneous short-circuit release / initial	Α	10
value Net weight	g	900
Net weight	9	300
Main circuit		
Operating voltage		
<ul> <li>with AC / at 50/60 Hz / Rated value</li> </ul>	V	690
• for DC / Rated value	V	500
Operating current		
• at 40 °C / Rated value	Α	16
• at 50 °C / Rated value	Α	16
● at 55 °C / Rated value	Α	16
● at 60 °C / Rated value	Α	15
● at 65 °C / Rated value	Α	15
● at 70 °C / Rated value	Α	15
Auxiliary circuit		
Number of CO contacts		
• for auxiliary contacts		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current	<b>A</b>	10
of I-trip / Full-scale value	A	10
• for N-conductor protection / initial value	A	0
• for N-conductor protection / Full-scale value	Α	0

Α	1
	No
	No
	Yes
	Yes
	No
	No
	No
	3VA1196-4ED32-0AA0
kA	55
kA	36
kA	25
kA	15
kA	5
kA	55
kA	36
kA	25
kA	16
kA	7
KA	
	kA kA kA kA kA kA

• 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 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					
<ul><li>during operation / minimum</li></ul>	°C	-25			
<ul><li>during operation / maximum</li></ul>	°C	70			
<ul><li>during storage / minimum</li></ul>	°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 Prod	luct Approval	EMC	Declaration of Conformity	Shipping Approval	other
		other			other







Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
<a href="https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11964ED320AA0">https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11964ED320AA0</a>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3VA11964ED320AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11964ED320AA0">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11964ED320AA0</a>

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

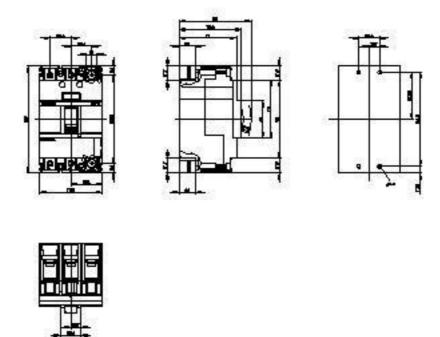


Figure similar

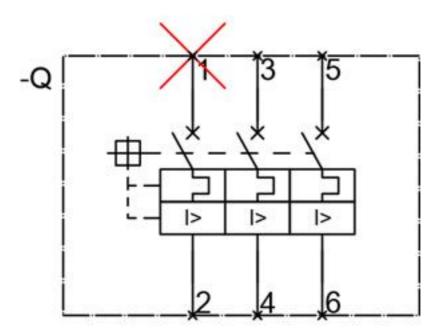


Figure similar

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