SIEMENS

Datasheet

3VA1120-4EF32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS S ICU=36KA @ 415 V 3-POLE, LINE PROTECTION TM240, ATAM, IN=20A OVERLOAD PROTECTION IR=14A ...20A SHORT CIRCUIT PROTECTION II=8...16 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		
Insulation voltage		
Rated value	V	800

Protection class		
Protective function of the overcurrent release		LI
Quitables especify	_	
Switching capacity Switching capacity class of the circuit breaker	_	S
		č
Dissipation		
Active power loss		
• maximum	W	12
Electricity		
Operating current / at 45 °C / Rated value	А	20
Continuous current / Rated value / maximum	А	160
Continuous current		
Rated value	А	20
Adjustable response value current		
 of the current-dependent overload release / 	А	1
Full-scale value		
• of the instantaneous short-circuit release / initial	A	5
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	20
● at 50 °C / Rated value	А	20
● at 55 °C / Rated value	А	20
• at 60 °C / Rated value	А	19
• at 65 °C / Rated value	А	19
• at 70 °C / Rated value	А	19
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
	A	0
for N-conductor protection / initial value for N-conductor protection / Full coole value	A	0
 for N-conductor protection / Full-scale value 	A	U C

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		3VA1120-4EF32-0AA0
Short circuit	_	
Operational short-circuit current breaking capacity		
(Ics)		
 at 240 V / Rated value 	kA	55
• at 415 V / Rated value	kA	36
	kA	25
• at 415 V / Rated value	kA kA	25 15
 at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value 	kA	25
 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	25 15 5
 at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value 	kA kA	25 15
 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	25 15 5
 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	25 15 5 55
 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	25 15 5 55 36

Depth		mm	70		
Mounting type				fixed mounting	
			fixed moul	nung	
nvironmental conditions					
Ambient temperature					
 during operation / minimum 		°C	-25		
 during operation / maximum 		°C	70		
		°C	-40		
 during storage / minimum 					
 during storage / maximum 		°C	80		
Certificates					
Reference code					
• acc. to DIN EN 61346-2			Q		
• acc. to DIN EN 81346-2			Q		
General Product Approval	EMC		Declaration of	Shipping	other
			Conformity	Approval	

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/3VA11204EF320AA0

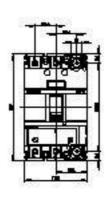
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11204EF320AA0/all

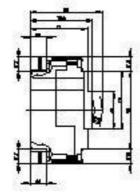
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11204EF320AA0

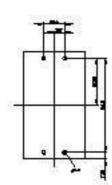
CAx-Online-Generator

http://www.siemens.com/cax

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







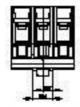


Figure similar

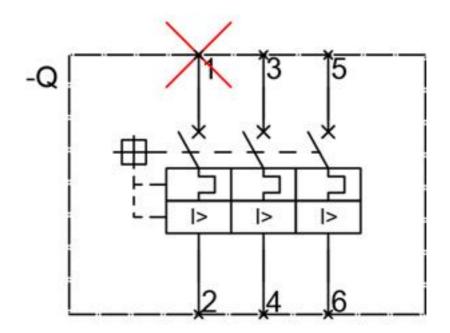


Figure similar

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