SIEMENS

Datasheet

3VA1050-4ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 100 BREAKING CAPACITY CLASS S ICU=36KA @ 415 V 3-POLE, LINE PROTECTION TM210, FTFM, IN=50A OVERLOAD PROTECTION IR=50A FIXED SHORT CIRCUIT PROTECTION II=10 X IN BUSBAR CONNECTION

Figure similar

roduct brand name		
		SENTRON
roduct designation		Molded case circuit breaker
esign of the product		Line protection
roduct variations		General Applications
round fault monitoring version		Without
esign of the auxiliary release		Without auxiliary release
esign of the auxiliary switch		Without
esign of the operating mechanism		toggle handle
ype of the driving mechanism / motor drive		No
esign of the overcurrent release		TM210
eneral technical data		
umber of poles		3
rip class / of the L-trip / with I2t characteristic / initial alue		1
rip class / of the L-trip / with I2t characteristic / Full- cale value		1
lectrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		8 000
rcuit-breaker / Design		3VA
lechanical service life (switching cycles) / typical		15 000
Itage		
sulation 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	_	
	W	14.6
• maximum	VV	14.6
Electricity		
Operating current / at 45 °C / Rated value	А	50
Continuous current / Rated value / maximum	А	100
Continuous current		
Rated value	А	50
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	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	50
● at 50 °C / Rated value	А	50
● at 55 °C / Rated value	А	49
● at 60 °C / Rated value	А	48
● at 65 °C / Rated value	А	46
● at 70 °C / Rated value	А	45
	_	
Auxiliary circuit Number of CO contacts	_	
		0
 for auxiliary contacts 		
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-	А	1
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 /		No
upgradeable/retrofittable / Short-circuit and		
overload proof		
Product expansion		
• optional		
— motor drive		No
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		3VA1050-4ED32-0AA0
switch		
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
at 240 V / Rated value	kA	55
at 415 V / Rated value	kA	36
 at 415 V / Rated value at 440 V / Rated value 	kA	25
	101	
	kΔ	15
• at 500 V / Rated value	kA kA	15
 at 500 V / Rated value at 690 V / Rated value 	kA kA	15 5
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)	kA	5
 at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value 	kA kA	5 55
 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	5 55 36
 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 at 440 V / Rated value 	kA kA kA kA	5 55 36 25
 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	5 55 36

• at 240 V / Rated value	kA	121		
• at 415 V / Rated value	kA	75.6		
• at 690 V / Rated value	kA	11.9		
Connections				
Arrangement of electrical connectors				
 for main current circuit 		Front termi	nal	
Type of connectable conductor cross-section				
 for flat-bar terminal connection / minimum 	n	12 x 0		
 for flat-bar terminal connection / maximum 	m	17 x 6.5		
Design of the electrical connection				
 for main current circuit 		Lug termina	Lug terminal	
lechanical Design				
Height	mm	130		
Width	mm	76.2		
Depth	mm	70		
Mounting type		fixed moun	iting	
nvironmental conditions				
Ambient temperature				
 during operation / minimum 	°C	-25		
 during operation / maximum 	°C	70		
 during storage / minimum 	°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 Product Approval EN	MC	Declaration of Conformity	Shipping Approval	other
ста рар	other	"		other
			[GL®]	

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/3VA10504ED320AA0

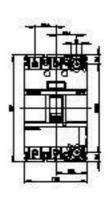
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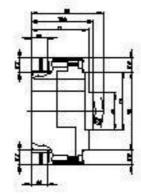
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA10504ED320AA0

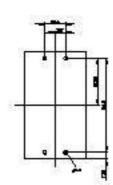
CAx-Online-Generator

http://www.siemens.com/cax

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







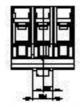


Figure similar

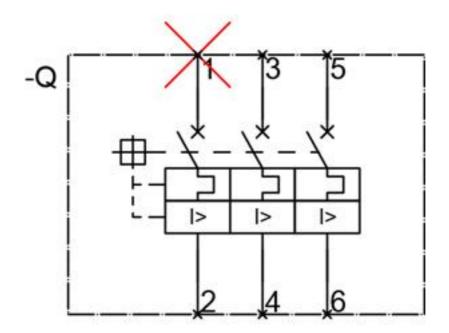


Figure similar

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