SIEMENS

Datasheet

3VA1040-2ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 100 BREAKING CAPACITY CLASS B ICU=16KA @ 415 V 3-POLE, LINE PROTECTION TM210, FTFM, IN=40A OVERLOAD PROTECTION IR=40A 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		В
	_	
Dissipation	_	
Active power loss	W	10.8
• maximum	vv	10.0
Electricity		
Operating current / at 45 °C / Rated value	A	40
Continuous current / Rated value / maximum	А	100
Continuous current		
Rated value	А	40
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	40
• at 50 °C / Rated value	А	40
• at 55 °C / Rated value	А	39
● at 60 °C / Rated value	А	39
● at 65 °C / Rated value	А	38
● at 70 °C / Rated value	А	37
Auxiliary circuit	_	
Number of CO contacts	_	
for auxiliary contacts		0
-		
Suitability		aveter protection
 Suitability for use 		system protection
Adjustable parameters		
Adjustable response value current		
of I-trip / Full-scale value	A	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		
ppearance		
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
ccessories		
Manufacturer article number / of the supplied basic		3VA1040-2ED32-0AA0
ewitch		
switch		
hort circuit	-	
hort circuit Operational short-circuit current breaking capacity	kA	25
Short circuit Operational short-circuit current breaking capacity (Ics)	kA kA	25 16
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value		
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	16
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value	kA kA	16 8
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value	kA kA kA	16 8 5
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 690 V / Rated value	kA kA kA	16 8 5
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value	kA kA kA kA	16 8 5 5
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • 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	16 8 5 5 25
Chort circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value • at 500 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 415 V / Rated value	kA kA kA kA kA	16 8 5 5 25 16

Heightmm130Widthmm76.2Depthmm70Mounting typefixed mountingEnvironmental conditions							
e. at 690 V / Rated value KA 7.5 Connections KA 7.5 Arrangement of electrical connectors Front terminal • for main current circuit Front terminal Type of connectable conductor cross-section 12 x 0 • for flat-bar terminal connection / maximum 17 x 6.5 Design of the electrical connection Lug terminal • for main current circuit Lug terminal Atchanical Design Height Height mm You for main current circuit Lug terminal Abchanical Design Mounting type Forth temperature fixed mounting • during operation / maximum °C • during operation / maximum °C • during storage / maximum °C • C to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q • acc. to DIN EN 81346-2 Q • General Product Approval EMC Declaration of Shipping Conformity Shipping Approval Citter	• at 240 V / Rated value						
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Arrangement of electrical connectors Front terminal • for main current circuit Front terminal Type of connectable conductor cross-section 12 x 0 • for flat-bar terminal connection / maximum 17 x 6.5 Design of the electrical connection 17 x 6.5 Design of the electrical connection Lug terminal • for main current circuit Lug terminal Height mm 130 Width mm 76.2 Depth mm 70 Mounting type fixed mounting Environmental conditions Ambient temperature • during operation / minimum °C -25 • during storage / minimum °C 70 • during storage / maximum °C -40 • during storage / maximum °C 80 Pertificates Q Q Reference code Q Q • acc. to DIN EN 61346-2 Q Q • acc. to DIN EN 81346-2 Q Q General Product Approval EMC Declaration of Conformity Shipping Approval Other Conformity	• at 690 V / Rated value		kA		7.5		
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• for flat-bar terminal connection / maximum 12 x 0 • for flat-bar terminal connection / maximum 17 x 6.5 Design of the electrical connection Lug terminal • for main current circuit Lug terminal //cchanical Design mm 130 Height mm 76.2 Depth mm 70 Mounting type fixed mounting Environmental conditions recent of the diversity of the diver	 for main current circuit 				Front termin	al	
• for flat-bar terminal connection / maximum 17 x 6.5 Design of the electrical connection • for main current circuit • for main current circuit Lug terminal Mechanical Design mm Height mm Width mm Depth mm Mounting type fixed mounting Environmental conditions Ambient temperature • C • during operation / minimum °C • C 70 • during storage / minimum °C • during storage / maximum °C • C 80 Certificates Q Reference code Q • acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q <td< td=""><td>Type of connectable conductor cross-section</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Type of connectable conductor cross-section						
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 during storage / minimum during storage / maximum °C 40 °C 80 Certificates Reference code acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 Q General Product Approval EMC Declaration of Conformity Approval other	 during operation / minimum 				-25		
• during storage / maximum °C 80 Certificates Reference code Q • acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q General Product Approval EMC Declaration of Conformity Shipping Approval Other Other Other Other Other Other Other Other	 during operation / maximum 				70		
Certificates Reference code • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 Q General Product Approval EMC Declaration of Conformity Approval Other	 during storage / minimum 		°C		-40		
Reference code Q • acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q General Product Approval EMC Declaration of Conformity Shipping Approval Other Other Other Other	 during storage / maximum 		°C		80		
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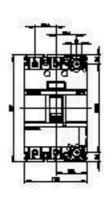
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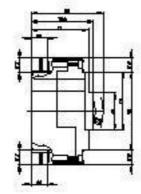
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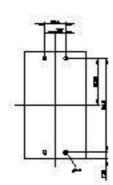
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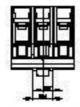


Figure similar

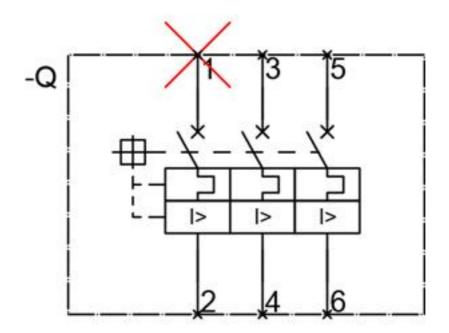


Figure similar

last modified:

21.10.2014