SIEMENS

Datasheet

3VA1150-4ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 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

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	14/	440
• maximum	W	14.6
Electricity		
Operating current / at 45 °C / Rated value	А	50
Continuous current / Rated value / maximum	А	160
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		
 for auxiliary contacts 		0
Suitability		
Suitability for use		system protection
-		
Adjustable parameters Adjustable response value current		
	А	10
of I-trip / Full-scale value for N conductor protection / initial value		
• for N-conductor protection / initial value	A	0
 for N-conductor protection / Full-scale value 	A	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 / 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
ccessories		
Manufacturer article number / of the supplied basic		3VA1150-4ED32-0AA0
switch		
Short circuit		
Operational short-circuit current breaking capacity		
(Ics)	ΓA	55
• at 240 V / Rated value	kA	55
• at 415 V / Rated value	kA	36
• at 440 V / Rated value	kA	25
• at 500 V / Rated value	kA	15
• at 690 V / Rated value	kA	5
A REAL REAL REAL REAL REAL REAL REAL REA		
Maximum short-circuit current breaking capacity (Icu)		55
• at 240 V / Rated value	kA	
 at 240 V / Rated value at 415 V / Rated value 	kA	36
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 	kA kA	36 25
 at 240 V / Rated value at 415 V / Rated value 	kA	36

• 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 terr	ninal	
Type of connectable conductor cross-section				
 for flat-bar terminal connection / minimum 	ı	12 x 0		
• for flat-bar terminal connection / maximur	n	17 x 6.5		
Design of the electrical connection				
 for main current circuit 		Lug terminal		
lechanical Design				
Height	mm			
Width	mm			
Depth	mm			
Mounting type		fixed mou	Inting	
nvironmental conditions				
Ambient temperature				
 during operation / minimum 	°C	-25		
 during operation / maximum 	°C	70		
 during storage / minimum 	°C	-40		
 during storage / maximum 	°C	80		
Sertificates				
Reference code				
• acc. to DIN EN 61346-2		Q		
• acc. to DIN EN 81346-2		Q		
General Product Approval EM	1C	Declaration of Conformity	f Shipping Approval	other
	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/3VA11504ED320AA0

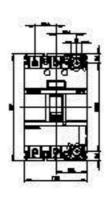
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11504ED320AA0/all

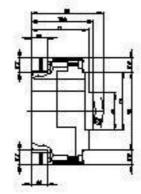
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11504ED320AA0

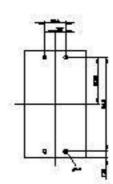
CAx-Online-Generator

http://www.siemens.com/cax

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







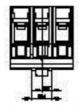


Figure similar

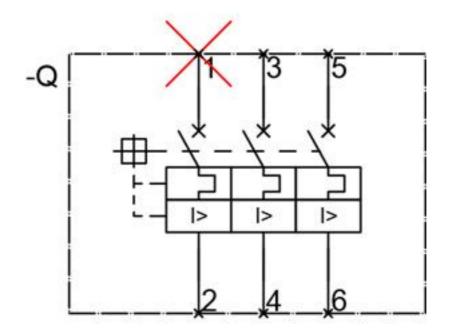


Figure similar

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