# **SIEMENS**

### Datasheet

### 3VA1150-6ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 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		Н
Dissipation		
Active power loss	W	14.6
• maximum	VV	14.0
Electricity		
Operating current / at 45 °C / Rated value	А	50
Continuous current / Rated value / maximum	А	160
Continuous current		
<ul> <li>Rated value</li> </ul>	А	50
Adjustable response value current		
<ul> <li>of the current-dependent overload release /</li> </ul>	А	1
Full-scale value		
• of the instantaneous short-circuit release / initial	A	10
value		
Net weight	g	900
Main circuit		
Operating voltage		
<ul> <li>with AC / at 50/60 Hz / Rated value</li> </ul>	V	690
<ul> <li>for DC / Rated value</li> </ul>	V	500
Operating current		
<ul> <li>at 40 °C / Rated value</li> </ul>	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
<u>.</u>		
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current		
Adjustable response value current ● of I-trip / Full-scale value	A	10
	A A	10 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	
<ul> <li>undervoltage release with leading contact</li> </ul>		No	
Product property	_		
<ul> <li>for neutral conductors /</li> </ul>		No	
upgradeable/retrofittable / Short-circuit and			
overload proof			
Product expansion			
• optional		Van	
— motor drive		Yes	
Product function			
Product function		N.	
Intrinsic device protection		Yes	
communication function		No	
Phase failure detection		No	
<ul> <li>other measurement function</li> </ul>		No	
ccessories	_		
NALES CONTRACTOR AND A CONTRACTOR AND AND A CONTRACTOR AND A CONTRACTOR AND AND A CONTRACTOR A		3VA1150-6ED32-0AA0	
Manufacturer article number / of the supplied basic		3VAT130-0ED32-0AA0	
Manufacturer article number / of the supplied basic switch		3VA1130-0ED32-0AA0	
switch Short circuit	-	3VAT130-0ED32-0AA0	
switch	-	3VAT130-0ED32-0AA0	
switch Short circuit Operational short-circuit current breaking capacity	kA	100	
switch Short circuit Operational short-circuit current breaking capacity (Ics)	kA kA		
switch Short circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value		100	
switch Short circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	100 70	
switch Short 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	100 70 36	
switch Short 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	100 70 36 15	
switch Short 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	100 70 36 15	
switch Short 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	100 70 36 15 5	
switch 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	100 70 36 15 5	
switch Short 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 240 V / Rated value • at 240 V / Rated value • at 240 V / Rated value	kA kA kA kA kA	100 70 36 15 5 100 70	

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General Product Approval EMC		Declaration of Conformity	Shipping Approval	other	
• acc. to DIN EN 81346-2		Q			
• acc. to DIN EN 61346-2		Q			
Reference code					
Certificates					
<ul> <li>during storage / maximum</li> </ul>	°C	80			
<ul> <li>during storage / minimum</li> </ul>	°C	-40			
<ul> <li>during operation / maximum</li> </ul>	°C	70			
<ul> <li>during operation / minimum</li> </ul>	°C	-25			
Ambient temperature					
nvironmental conditions					
Mounting type		fixed mounting			
Depth	mm	70			
Width	mm	76.2			
Height	mm	130			
lechanical Design					
<ul> <li>for main current circuit</li> </ul>		Lug terminal			
Design of the electrical connection		1			
for flat-bar terminal connection / maximum		17 x 6.5			
• for flat-bar terminal connection / minimum		12 x 0			
Type of connectable conductor cross-section					
• for main current circuit		Front termin	al		
Arrangement of electrical connectors					
Connections					
• at 690 V / Rated value	kA	17			
• at 415 V / Rated value	kA	154			

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/3VA11506ED320AA0

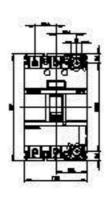
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11506ED320AA0/all

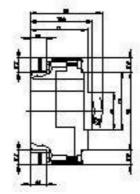
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11506ED320AA0

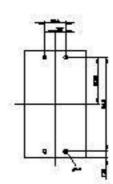
## CAx-Online-Generator

http://www.siemens.com/cax

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







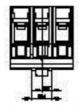


Figure similar

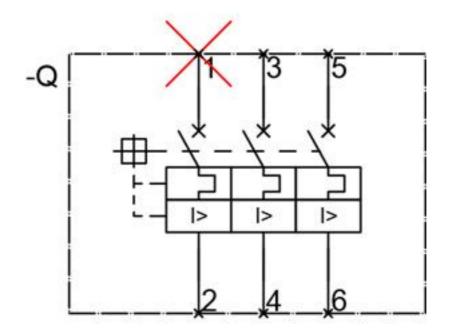


Figure similar

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