## **SIEMENS**

## Datasheet

## 3VA1150-3EE42-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS N ICU=25KA @ 415 V 4-POLE, LINE PROTECTION TM220, ATFM, IN=50A OVERLOAD PROTECTION IR=35A ...50A SHORT CIRCUIT PROTECTION II=10 X IN NEUTRAL UNPROTECTED 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		TM220				
General technical data						
Number of poles		4				
Trip class / of the L-trip / with I2t characteristic / initial value		1				
Trip class / of the L-trip / with I2t characteristic / Full-	-	1				
scale value						
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		N
	_	
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		
Rated value	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	1 200
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	600
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
Auviliant aircuit	_	
Auxiliary circuit Number of CO contacts	_	
for auxiliary contacts		0
		ů
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current		
• of I-trip / Full-scale value	А	10
<ul> <li>for N-conductor protection / initial value</li> </ul>	А	0
<ul> <li>for N-conductor protection / Full-scale value</li> </ul>	А	0
·		

No No No No No No Yes No
No No No Yes
No No Yes Yes
No No Yes Yes
No Yes Yes
Yes
No
No
No
3VA1150-3EE42-0AA0
36
25
16
8
•
5
5
5 36
5 36 25

		75.6			
• at 240 V / Rated value	kA	75.6			
• at 415 V / Rated value	kA	52.5			
• at 690 V / Rated value	kA	7.5			
onnections					
Arrangement of electrical connectors					
<ul> <li>for main current circuit</li> </ul>		Front termin	al		
Type of connectable conductor cross-section					
<ul> <li>for flat-bar terminal connection / minimum</li> </ul>		12 x 0			
<ul> <li>for flat-bar terminal connection / maximum</li> </ul>		17 x 6.5	17 x 6.5		
Design of the electrical connection					
• for main current circuit		Lug terminal			
lechanical Design					
Height	mm	130			
Width	mm	101.6			
Depth	mm	70			
Mounting type		fixed mount	fixed mounting		
nvironmental conditions					
Ambient temperature					
<ul> <li>during operation / minimum</li> </ul>	°C	-25			
<ul> <li>during operation / maximum</li> </ul>	°C	70			
<ul> <li>during storage / minimum</li> </ul>	°C	-40			
<ul> <li>during storage / maximum</li> </ul>	°C	80			
ertificates					
Reference code					
• acc. to DIN EN 61346-2		Q			
• acc. to DIN EN 81346-2		Q			
General Product Approval EMC		eclaration of onformity	Shipping Approval	other	
	ner			other	
		E	GL		
	E				

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

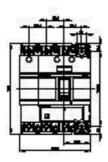
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11503EE420AA0

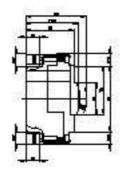
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11503EE420AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11503EE420AA0

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





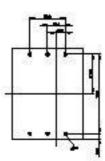




Figure similar



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