SIEMENS

Data sheet



3VA2225-6HN42-0AA0

CIRCUIT BREAKER 3VA2 IEC FRAME 250 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 4POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A ...250A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=10 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,50%,100%) BUSBAR CONNECTION

Model		
product brand name		SENTRON
Product designation		Molded case circuit breaker
Design of the product		Line protection
Product variations		Selective Applications
Ground fault monitoring version		Without
Design of the auxiliary release		without auxiliaryrelease
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		ETU350
General technical data		
Number of poles		4
Trip class / of the L-trip / with I2t characteristic / initial value		0.5
Trip class / of the L-trip / with I2t characteristic / Full- scale value		17
Electrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		10 000
circuit-breaker / Design		3VA
Mechanical service life (switching cycles) / typical		20 000
Voltage		
Insulation voltage / Rated value	V	800
Protection class		

Protection class IP	-	IP40
Protection class IP / on the front	-	IP40
Protective function of the overcurrent release	-	LSI
Protective function of the overcurrent release		131
Switching capacity		
Switching capacity class of the circuit breaker		Н
Dissipation		
Active power loss		
● maximum	W	48
Electricity		
Continuous current / Rated value / maximum	А	250
Continuous current / Rated value	А	250
Adjustable response value current / of the	A	10
instantaneous short-circuit release / initial value		
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
Operating current		
• at 40 °C / Rated value	А	250
● at 50 °C / Rated value	А	250
● at 60 °C / Rated value	А	250
• at 65 °C / Rated value	А	250
• at 70 °C / Rated value	A	250
Auxiliary circuit	_	
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts	-	0
-		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current		
 of I-trip / Full-scale value 	А	10
 of the short-time delayed short-circuit release / initial value 	A	1.5
 of the short-time delayed short-circuit release / Full-scale value 	A	10
Adjustable delay time		
• of S-trip / with I2t characteristic / initial value	s	0.02
 of S-trip / with I2t characteristic / Full-scale value 	S	0.4
Adjustable response value current / of the current- dependent overload release / initial value	A	0.4

Product function Yes • Intrinsic device protection No • communication function No • Phase failure detection No • other measurement function No Accessories 3VA2225-6HN42-0AA0 Short circuit Structurer article number / of the supplied basic switch Operational short-circuit current breaking capacity (ts) 4X • at 240 V / Rated value KA • at 240 V / Rated value KA • at 415 V / Rated value KA • at 400 V / Rated value KA • at 690 V / Rated value KA • at 400 V / Rated value KA • at 690	Product details		
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 at 440 V / Rated value kA 85 at 500 V / Rated value kA 55 at 690 V / Rated value kA 3 Short-circuit current making capacity (Icm) at 240 V / Rated value kA 242 at 415 V / Rated value kA 187 at 440 V / Rated value kA 187 at 500 V / Rated value kA 4.5 			
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	• at 500 V / Rated value	kA	121
	• at 690 V / Rated value	kA	4.5
Connections	Connections		

Acchanical Design Height mm 181 Width mm 140 Depth mm 107 Mounting type fixed mounting invironmental conditions fixed mounting Ambient temperature • during operation / minimum °C -25 • during operation / maximum °C 70 • during storage / minimum °C -40 • during storage / maximum °C 80	
• for flat-bar terminal connection / maximum25 x 8.5Type of electrical connection / for main current circuitLug terminalAechanical Designmm181Heightmm140Depthmm107Mounting typefixed mountingenvironmental conditions-25Ambient temperature • during operation / minimum°C-25-25-25-25-25-40 <t< td=""><td></td></t<>	
Type of electrical connection / for main current circuit Lug terminal Alechanical Design mm 181 Width mm 140 Depth mm 107 Mounting type fixed mounting Environmental conditions C -25 Ambient temperature °C 70 during operation / maximum °C 70 during storage / minimum °C 40 eduring storage / maximum °C 80	
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• acc. to DIN EN 81346-2 Q	
General Product Approval EMC Declaration of Shipp	oing
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CCC VDE EFFC other CFC DN	

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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/3VA22256HN420AA0

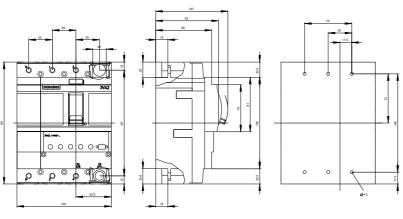
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA22256HN420AA0/all

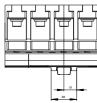
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA22256HN420AA0

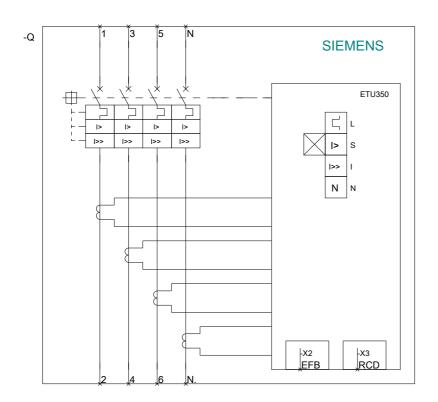
CAx-Online-Generator

http://www.siemens.com/cax

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







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