SIEMENS

Data sheet

3VA2040-6HN32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 3POLE, LINE PROTECTION ETU350, LSI, IN=40A OVERLOAD PROTECTION IR=16A ...40A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=12 X IN 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		3
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		12 000
circuit-breaker / Design		3VA
Mechanical service life (switching cycles) / typical		20 000
Voltage		
Insulation voltage / Rated value	V	800
Protection class		

Protection class IP Protection class IP / on the front Protective function of the overcurrent release Switching capacity Switching capacity class of the circuit breaker		IP40 IP40 LSI
Protective function of the overcurrent release Switching capacity		
Switching capacity		
Switching capacity class of the circuit breaker		
		н
Dissipation		
Active power loss		
● maximum	W	2.2
Electricity		
Continuous current / Rated value / maximum	А	100
Continuous current / Rated value	А	40
Adjustable response value current / of the	А	12
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	40
● at 50 °C / Rated value	А	40
• at 60 °C / Rated value	А	40
• at 65 °C / Rated value	А	40
• at 70 °C / Rated value	A	40
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	12
 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 details		
Product component		
Trip indicator		No
● display		No
 undervoltage release 		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
Accessories		
Manufacturer article number / of the supplied basic switch		<u>3VA2040-6HN32-0AA0</u>
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	110
• at 415 V / Rated value	kA	85
• at 440 V / Rated value	kA	85
• at 500 V / Rated value	kA	55
• at 690 V / Rated value	kA	2
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	110
• at 415 V / Rated value	kA	85
• at 440 V / Rated value	kA	85
• at 500 V / Rated value	kA	55
• at 690 V / Rated value	kA	2
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	121
• at 690 V / Rated value	kA	3
Connections		

Acchanical Design Height mm 181 Width mm 105 Depth mm 107 Mounting type fixed mounting Environmental conditions C -25 Ambient temperature -25 • during operation / minimum °C -25 • during operation / maximum °C -25 • during storage / minimum °C -40 • during storage / maximum °C 80 Certificates Equipment marking Q	25 x 8.5 Lug terminal mm 181 mm 105 mm 107 fixed mounting °C -25 °C 70 °C 70 °C 40 °C 80 EMC Q Q Q Declaration of Conformity Shipping Approval	25 x 8.5 Lug terminal 181 105 107		
• for flat-bar terminal connection / maximum 25 x 8.5 Type of electrical connection / for main current circuit Lug terminal Aechanical Design mm 181 Width mm 105 Depth mm 107 Mounting type fixed mounting environmental conditions fixed mounting Amblent temperature °C -25 • during operation / minimum °C 70 • during storage / minimum °C 40 • during storage / maximum °C 80	25 x 8.5 Lug terminal mm 181 mm 105 mm 107 fixed mounting °C -25 °C 70 °C -40 °C 80 Peclaration of Conformity Q Q Q Conformity Approval	25 x 8.5 Lug terminal 181 105 107	1	
Type of electrical connection / for main current circuit Lug terminal Aechanical Design mm 181 Width mm 105 Depth mm 107 Mounting type fixed mounting Environmental conditions C -25 Ambient temperature °C -25 • during operation / minimum °C 70 • during storage / minimum °C -40 • during storage / maximum °C 80 Certificates Q	Imm 181 mm 105 mm 107 fixed mounting °C -25 °C 70 °C 70 °C 40 °C 80	Lug terminal 181 105 107		
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• during operation / minimum°C-25• during operation / maximum°C70• during storage / minimum°C-40• during storage / maximum°C80• certificates	°C 70 °C -40 °C 80			
 during operation / maximum during operation / maximum °C 70 °C -40 °C 80 Certificates Equipment marking acc. to DIN EN 61346-2 Q 	°C 70 °C -40 °C 80			
 during storage / minimum during storage / maximum °C -40 °C 80 Certificates Equipment marking acc. to DIN EN 61346-2 Q 	°C -40 °C 80 Q Q Q EMC Declaration of Shipping Approval Other € € € €	-25		
• during storage / maximum • during storage / maximum • C 80 Certificates Equipment marking • acc. to DIN EN 61346-2 Q	°C 80 Q Q Q C O C O C O C O C O C O C O C O C	70		
Certificates Equipment marking • acc. to DIN EN 61346-2 Q	Q Q Q EMC Declaration of Conformity Approval other C C C C	-40		
Equipment marking Q • acc. to DIN EN 61346-2 Q	Q EMC Declaration of Conformity Shipping Approval other Conformity Approval	80		
• acc. to DIN EN 61346-2 Q	Q Declaration of Conformity Shipping Approval other Conformity Approval			
	Q Declaration of Conformity Shipping Approval other Conformity Approval			
	EMC Declaration of Conformity Approval	Q		
• acc. to DIN EN 81346-2 Q	Conformity Approval other Cefee Other Image: Cefee	Q		
General Product Approval EMC Declaration of Shipping	other CE	MC	Declaration of	Shipping
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Shipping other				

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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/3VA20406HN320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20406HN320AA0/all

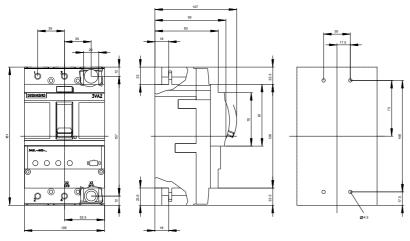
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA20406HN320AA0

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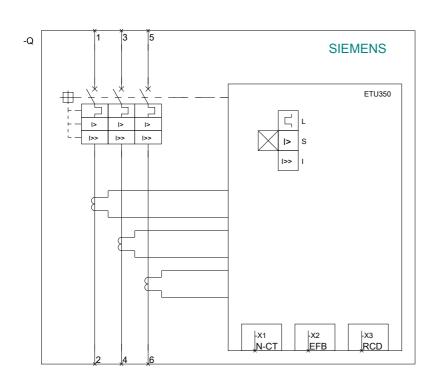
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Tender specifications

http://ausschreibungstexte.siemens.com/tiplv







last modified:

11.03.2015