SIEMENS

Data sheet

3VA2116-8HL32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS L ICU=150KA @ 415 V 3POLE, LINE PROTECTION ETU320, LI, IN=160A OVERLOAD PROTECTION IR=64A ...160A SHORT CIRCUIT PROTECTION II=10 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		ETU320
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 / on the front IP40 Protective function of the overcurrent release L1 Switching capacity Switching capacity L Dissipation Active power loss • maximum W Electricity Electricity Continuous current / Rated value / maximum A Adjustable response value current / of the instanceous short-circuit release / initial value A Main circuit Operating widage over loss • with AC / at 50/80 Hz / Rated value V 690 Operating widage • with AC / at 50/80 Hz / Rated value V • at 60 °C / Rated value A • at	Protection class IP		IP40
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	• display		No
Product property	 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>3VA2116-8HL32-0AA0</u>
Short circuit		
Operational short-circuit current breaking capacity		
(lcs)		
• at 240 V / Rated value	kA	200
• at 415 V / Rated value	kA	150
• at 440 V / Rated value	kA	150
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	18
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	200
• at 415 V / Rated value	kA	150
• at 440 V / Rated value	kA	150
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	24
Short-circuit current making capacity (Icm)		
• at 240 V / Rated value	kA	440
• at 415 V / Rated value	kA	330
• at 440 V / Rated value	kA	330
• at 500 V / Rated value	kA	220
• at 690 V / Rated value	kA	48
Connections		
Arrangement of electrical connectors / for main current circuit		Front terminal
Type of connectable conductor cross-section		
 for flat-bar terminal connection / minimum 		13 x 1 mm
 for flat-bar terminal connection / maximum 		25 x 8.5
Type of electrical connection / for main current circuit		Lug terminal
Mechanical Design		

Height	r	nm	181		
Width	n	nm	105		
Depth	n	nm	107		
Mounting type			fixed mount	ing	
Environmental conditions					
Ambient temperature					
 during operation / minimum 	°	С	-25		
 during operation / maximum 	°(С	70		
 during storage / minimum 	°(С	-40		
 during storage / maximum 	°(С	80		
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Certificates Equipment marking	-	_	_	_	_
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Further information

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/3VA21168HL320AA0

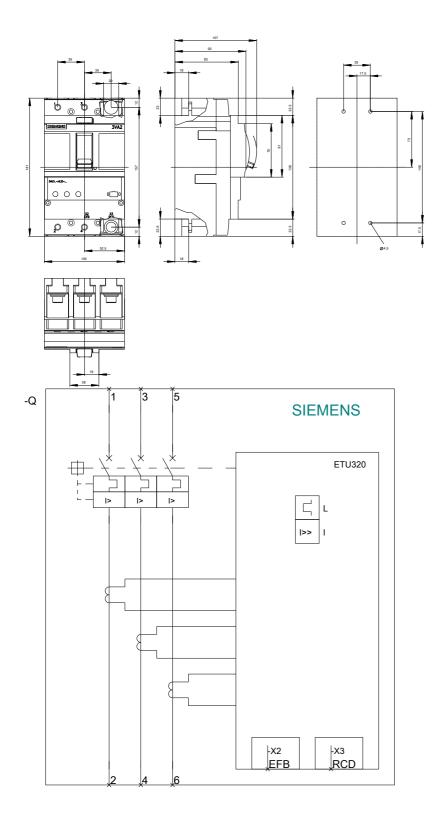
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA21168HL320AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA21168HL320AA0

CAx-Online-Generator

http://www.siemens.com/cax

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



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