SIEMENS

Data sheet

3VA2325-7HL32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS C ICU=110KA @ 415 V 3-POLE, LINE PROTECTION ETU320, LI, IN=250A OVERLOAD PROTECTION IR=100A ...250A SHORT CIRCUIT PROTECTION II=12 X IN BUSBAR CONNECTION

Figure similar

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		6 000		
circuit-breaker / Design		3VA		
Mechanical service life (switching cycles) / typical		15 000		

Voltage		
Insulation voltage / Rated value	V	800

Protection class

Protection class IP / on the front Protective function of the overcurrent release LI Switching capacity Switching capacity class of the circuit breaker C Dissipation Active power loss • maximum W 27 Electricity Continuous current / Rated value / maximum A 400 Continuous current / Rated value Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with Ac / at 50/60 Hz / Rated value • at 40 °C / Rated value • at 50 °C / Rated value • at 50 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value • at	Protection class IP		IP40
Switching capacity Switching capacity class of the circuit breaker C Dissipation Active power lose • maximum W 27 Electricity Continuous current / Rated value / maximum A A A A Continuous current / Rated value A A A A A A A A A A A A A	Protection class IP / on the front		IP40
Switching capacity class of the circuit breaker C Dissipation Active power loss • maximum W 27 Electricity Continuous current / Rated value / maximum A 400 Continuous current / Rated value A 250 Adjustable response value current / of the 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 • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value • at	Protective function of the overcurrent release		LI
Switching capacity class of the circuit breaker C Dissipation Active power loss • maximum W 27 Electricity Continuous current / Rated value / maximum A 400 Continuous current / Rated value A 250 Adjustable response value current / of the 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 • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value • at	Switching capacity		
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Active power loss • maximum Maximum W 27	Dissipation		
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Continuous current / Rated value / maximum	• maximum	W	27
Continuous current / Rated value Adjustable response value current / of the 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 • at 50 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value A 220 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitability Suitabile response value current • of I-trip / Full-scale value • for N-conductor protection / Initial value • for N-conductor protection / If the current-dependent overload release / initial value Product details Product component • Trip indicator • display No	Electricity		
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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 • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 230 • at 70 °C / Rated value A 220 Auxiliary circuit Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability for use Adjustable parameters Adjustable parameters Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • for N-conductor protection / initial value • for N-conductor protection / Full-scale value A 0 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display No	Continuous current / Rated value	Α	250
Operating voltage • with AC / at 50/60 Hz / Rated value Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 70 °C / Rated value A 230 • at 70 °C / Rated value A 220 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitable parameters Adjustable parameters Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • for N-conductor protection / initial value • for N-conductor protection / Full-scale value A 0 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display	-	Α	1.5
with AC / at 50/60 Hz / Rated value Operating current	Main circuit		
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Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • for N-conductor protection / initial value A 0 • for N-conductor protection / Full-scale value A 0 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display No	• at 65 °C / Rated value	Α	230
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Suitability Suitability Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • for N-conductor protection / initial value • for N-conductor protection / Full-scale value A 0 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display No	• at 70 °C / Rated value	Α	220
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Suitability Suitability Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • for N-conductor protection / initial value • for N-conductor protection / Full-scale value A 0 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display No	Auxiliary circuit		
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Adjustable response value current / of the current- dependent overload release / initial value Product details Product component • Trip indicator • display No	• for N-conductor protection / initial value	Α	0
Product details Product component Trip indicator display No	• for N-conductor protection / Full-scale value	Α	0
Product details Product component • Trip indicator • display No	Adjustable response value current / of the current-	Α	0.4
Product component	dependent overload release / initial value		
Trip indicatordisplayNoNo	Product details		
• display No	Product component		
	Trip indicator		No
• undervoltage release No	• display		No
	undervoltage release		No

Product property		
• for neutral conductors /		No
upgradeable/retrofittable / Short-circuit and		
overload proof		
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		3VA2325-7HL32-0AA0
Short circuit		
Operational short-circuit current breaking capacity		
(lcs)		
• at 240 V / Rated value	kA	150
• at 415 V / Rated value	kA	110
● at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	150
● at 415 V / Rated value	kA	110
• at 690 V / Rated value	kA	5
Short-circuit current making capacity (Icm)		
● at 240 V / Rated value	kA	330
● at 415 V / Rated value	kA	242
• at 690 V / Rated value	kA	7.5
Connections		
Arrangement of electrical connectors / for main current circuit		Front terminal
Type of connectable conductor cross-section		
• for flat-bar terminal connection / minimum		20 x 1
for flat-bar terminal connection / maximum		35 x 10
Type of electrical connection / for main current circuit		Lug terminal
Mechanical Design		
Height	mm	248
Width	mm	138
Depth	mm	137
Mounting type		fixed mounting
Environmental conditions		

Ambient temperature			
during operation / minimum	°C	-25	
during operation / maximum	°C	70	
• during storage / minimum	°C	-40	
during storage / maximum	°C	80	

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G	er	Ш	ca	tes

Equipment marking

• acc. to DIN EN 61346-2 Q • acc. to DIN EN 81346-2 Q

General Product Approval	EMC	Declaration of	other
		Conformity	





other



other

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/3VA23257HL320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA23257HL320AA0/all

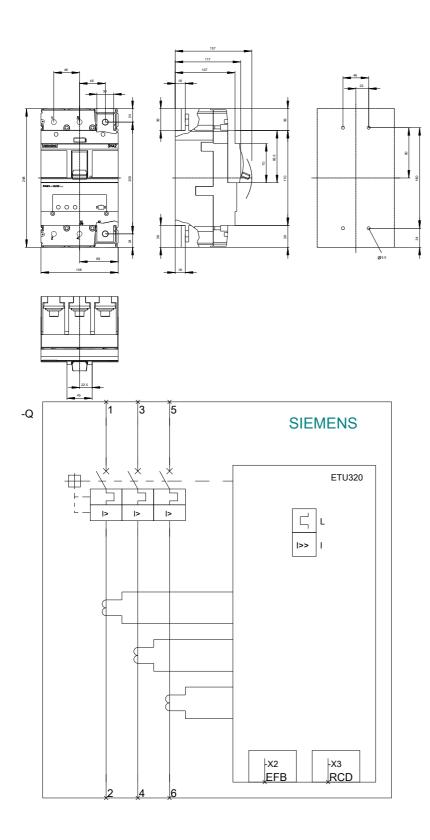
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA23257HL320AA0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv



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