SIEMENS

Data sheet

3VA2325-6HL32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS H ICU=85KA @ 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 Switching capacity Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 27 Electricity Continuous current / Rated value / maximum Active power loss • maximum A 400 Continuous current / Rated value / maximum 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 • at 40 °C / Rated value • at 50 °C / Rated value • at 50 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rat	Protection class IP		IP40
Switching capacity Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 27 Electricity Continuous current / Rated value / maximum 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 990 Operating current • at 40 °C / Rated value A 250 • at 50 °C / Rated value A 250 • at 50 °C / Rated value A 237.5 • at 65 °C / Rated value A 230 • at 70 °C / Rated value A 220 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Adjustable parameters Adjustable parameters Adjustable response value current • of I-trip / Full-scale value A 12 • for N-conductor protection / Full-scale value A 0.4 Adjustable response value current / of the current-dependent overload release / initial value Product details Product details Product component • Trip indicator • display No	Protection class IP / on the front		IP40
Switching capacity class of the circuit breaker 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 • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 70 °	Protective function of the overcurrent release		LI
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Active power loss • maximum M	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 65 °C / Rated value • at 70 °C / Rated value Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts O Suitability Suitability Suitability Suitabile 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	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 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 65 °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 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 at 40 °C / Rated value at 50 °C / Rated value at 50 °C / Rated value at 60 °C / Rated value at 60 °C / Rated value at 65 °C / Rated value at 65 °C / Rated value at 70 °C / Rated value at 70 °C / Rated value at 70 °C / Rated value A 230 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitability Suitability for use System protection Adjustable parameters Adjustable parameters Adjustable response value current of I-trip / Full-scale value for N-conductor protection / Full-scale 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 o display No	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 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 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 NO contacts / for auxiliary contacts 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 Adjustable response value current / of the current-dependent overload release / initial value Product details Product component • Trip indicator • display O System protection A 12 0 0 4 0 0 0 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 indicator display No No 	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		3VA2325-6HL32-0AA0	
Short circuit			
Operational short-circuit current breaking capacity			
(Ics)			
• at 240 V / Rated value	kA	110	
• at 415 V / Rated value	kA	85	
● at 690 V / Rated value	kA	5	
Maximum short-circuit current breaking capacity (Icu)			
● at 240 V / Rated value	kA	110	
● at 415 V / Rated value	kA	85	
● at 690 V / Rated value	kA	5	
Short-circuit current making capacity (Icm)			
● at 240 V / Rated value	kA	242	
● at 415 V / Rated value	kA	187	
• 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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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/3VA23256HL320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA23256HL320AA0/all

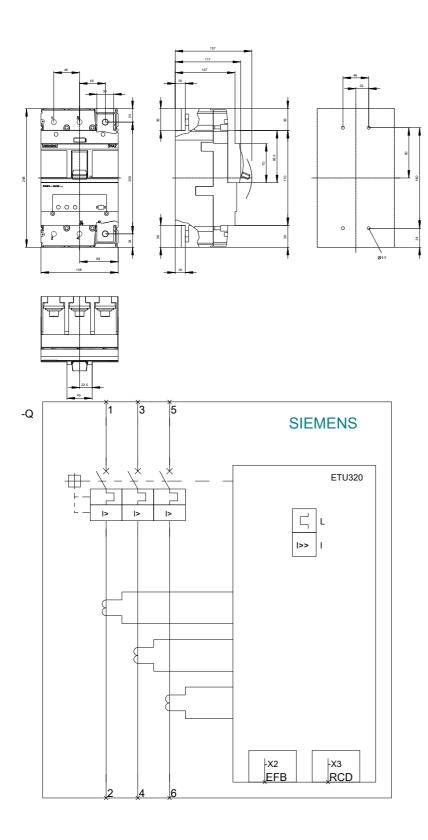
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA23256HL320AA0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv



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