SIEMENS

Data sheet

3VA2325-7KP42-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS C ICU=110KA @ 415 V 4-POLE, LINE PROTECTION ETU850, LSI, IN=250A OVERLOAD PROTECTION IR=100A ...250A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION ADJUSTABLE (OFF, UPTO 160%) 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	ETU850		

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		25	
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		IP40
Protection class IP / on the front		IP40
Protective function of the overcurrent release		LSI
Switching capacity		
Switching capacity class of the circuit breaker		C
Dissipation Active power loss		
maximum	W	27
· maximum	•	21
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	Α	1.5
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	Α	250
• at 50 °C / Rated value	Α	250
• at 60 °C / Rated value	Α	237.5
• at 65 °C / Rated value	Α	230
• at 70 °C / Rated value	Α	220
Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current		
of I-trip / Full-scale value	Α	12
of the short-time delayed short-circuit release /	Α	0.6
initial value		
• of the short-time delayed short-circuit release / Full-scale value	Α	10
• of S-trip / with standard characteristic / initial value	Α	0.6
• of S-trip / with standard characteristic / Full-scale value	Α	10
• for N-conductor protection / initial value	Α	20
• for N-conductor protection / Full-scale value	Α	100

Adjustable delay time		
of S-trip / with I2t characteristic / initial value	S	0.05
of S-trip / with I2t characteristic / Full-scale	S	0.5
value		
• of S-trip / with standard characteristic / initial	s	0.05
value		
• of S-trip / with standard characteristic / Full-	S	0.5
scale value		
Adjustable response value current / of the current- dependent overload release / initial value	Α	0.4
dependent overload release / Initial value		
Product details		
Product component		
Trip indicator		No
• display		Yes
undervoltage release		No
Product property		
• for neutral conductors /		No
upgradeable/retrofittable / Short-circuit and		
overload proof Product expansion / optional / motor drive		Yes
Froduct expansion / Optional / motor drive		165
Product function		
Product function		
Intrinsic device protection		Yes
communication function		Yes
Phase failure detection		No
 other measurement function 		Yes
Accessories		
Manufacturer article number / of the supplied basic		
switch		3VA2325-7KP42-0AA0
		3VA2325-7KP42-0AA0
Short circuit		3VA2325-7KP42-0AA0
Short circuit Operational short-circuit current breaking capacity		3VA2325-7KP42-0AA0
		3VA2325-7KP42-0AA0
Operational short-circuit current breaking capacity	kA	3VA2325-7KP42-0AA0 150
Operational short-circuit current breaking capacity (lcs)	kA kA	
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value		150
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	150 110
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value	kA	150 110
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)	kA kA	150 110 5
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) • at 240 V / Rated value	kA kA	150 110 5
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) • at 240 V / Rated value • at 415 V / Rated value	kA kA kA kA	150 110 5 150 110
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value	kA kA kA kA	150 110 5 150 110

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	184		
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		

Certificates					
Equipment marking					
● acc. to DIN EN 61346-2		Q			
• acc. to DIN EN 81346-2		Q			
0 10 1 14	E110 D				

General Produc	t Approval	EMC	Declaration of Conformity	other	
^		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/3VA23257KP420AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA23257KP420AA0/all

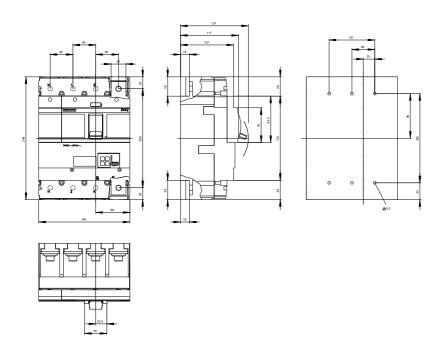
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA23257KP420AA0

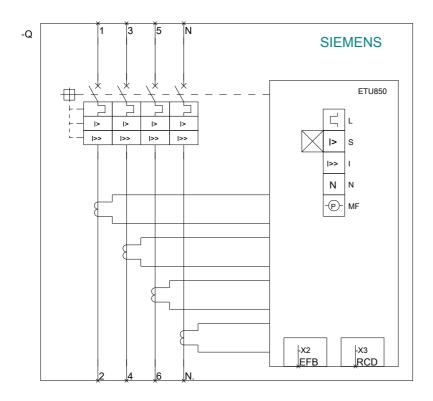
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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