SIEMENS

Data sheet

3VA2440-5HN32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 630 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A ...400A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, 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	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		4 000
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		M		
Dissipation				
Active power loss				
• maximum	W	70		
Electricity				
Continuous current / Rated value / maximum	A	630		
Continuous current / Rated value	Α	400		
Adjustable response value current / of the	Α	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	Α	400		
• at 50 °C / Rated value	Α	400		
• at 60 °C / Rated value	Α	380		
• at 65 °C / Rated value	Α	368		
• at 70 °C / Rated value	Α	352		
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 / initial value	Α	1.5		
• of the short-time delayed short-circuit release / Full-scale value	Α	10		
• for N-conductor protection / initial value	Α	0		
• for N-conductor protection / Full-scale value	Α	0		
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	Α	0.4
Product details		
Product component		
Trip indicator		No
• display		No
• undervoltage release		No
Product property		
 for neutral conductors / upgradeable/retrofittable / Short-circuit and 		No
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		3VA2440-5HN32-0AA0
Short circuit		
Operational short-circuit current breaking capacity		
(Ics)		
	kA	85
(Ics)	kA kA	85 55
(Ics) ● at 240 V / Rated value		
(Ics)at 240 V / Rated valueat 415 V / Rated value	kA	55
 (Ics) at 240 V / Rated value at 415 V / Rated value at 690 V / Rated value 	kA	55
(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	55 6
 (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	55 6 85
 (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	55 6 85 55
 (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	55 6 85 55
 (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 Short-circuit current making capacity (Icm)	kA kA kA kA	55 6 85 55 6
 (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 Short-circuit current making capacity (Icm) at 240 V / Rated value 	kA kA kA kA kA	55 6 85 55 6
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 (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 Short-circuit current making capacity (Icm) at 240 V / Rated value at 415 V / Rated value at 690 V / Rated value at 690 V / Rated value at 690 V / Rated value at 690 V / Rated value	kA kA kA kA kA	55 6 85 55 6 187 121
(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 Short-circuit current making capacity (Icm) • at 240 V / Rated value at 415 V / Rated value • at 690 V / Rated value	kA kA kA kA kA	55 6 85 55 6 187 121
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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
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
General Product Approval EM		Declaration of other Conformity
EHC EHC	<u>other</u>	eG-Konf.

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/3VA24405HN320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA24405HN320AA0/all

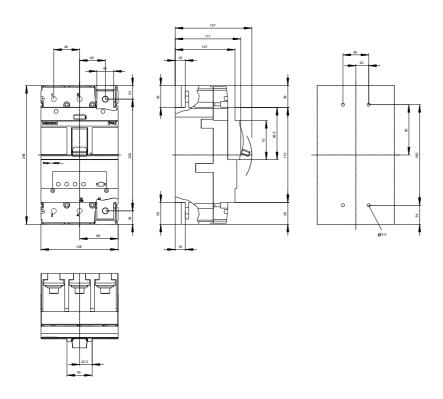
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA24405HN320AA0

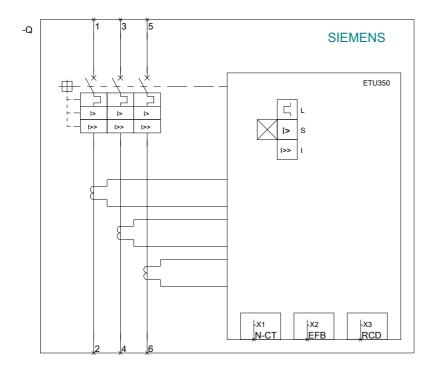
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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