SIEMENS

Data sheet

3VA2125-6HN42-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 4POLE, LINE PROTECTION ETU350, LSI, IN=25A OVERLOAD PROTECTION IR=10A ...25A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,100%) 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	ETU350
Consequence data	

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	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		IP40
Protection class IP / on the front		IP40
Protective function of the overcurrent release		LSI
0 11 11		
Switching capacity		Н
Switching capacity class of the circuit breaker		n
Dissipation		
Active power loss		
• maximum	W	0.6
Electricity		
Continuous current / Rated value / maximum	Α	160
Continuous current / Rated value	Α	25
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	25
• at 50 °C / Rated value	Α	25
• at 60 °C / Rated value	Α	25
• at 65 °C / Rated value	Α	25
• at 70 °C / Rated value	Α	25
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 peremeters		
Adjustable parameters Adjustable response value current		
of I-trip / Full-scale value	Α	12
of the short-time delayed short-circuit release /	A	1.5
initial value	, ·	
 of the short-time delayed short-circuit release / Full-scale value 	Α	10
Adjustable delay time		
of S-trip / with I2t characteristic / initial value	S	0.02
of S-trip / with 12t characteristic / Full-scale	s	0.4
value	-	
Adjustable response value current / of the current- dependent overload release / initial value	Α	0.4
•		

roduct details Product component		
•		No
• Trip indicator		No
• display		No
undervoltage release		No
Product property		No
 for neutral conductors / upgradeable/retrofittable / Short-circuit and 		No
overload proof		
Product expansion / optional / motor drive	_	Yes
roduct function		
Product function		
 Intrinsic device protection 		Yes
• communication function		No
Phase failure detection		No
 other measurement function 		No
ccessories		
Manufacturer article number / of the supplied basic		3VA2125-6HN42-0AA0
switch		
hort circuit		
Operational short-circuit current breaking capacity		
(Ics)		
• at 240 V / Rated value	kA	110
• at 415 V / Rated value	kA	85
● at 440 V / Rated value	kA	85
• at 500 V / Rated value	kA	55
• at 690 V / Rated value	kA	2.5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	110
● at 415 V / Rated value	kA	85
● at 440 V / Rated value	kA	85
● at 500 V / Rated value	kA	55
• at 690 V / Rated value	kA	2.5
Short-circuit current making capacity (lcm)		
● at 240 V / Rated value	kA	242
at 415 V / Rated value	kA	187
at 413 v / Nateu value	kA	187
at 440 V / Rated value at 440 V / Rated value		
	kA	121
● at 440 V / Rated value	kA kA	121 3.75

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	mm	181
Width	mm	140
Depth	mm	107
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	EMC	Declaration of	Shipping
		Conformity	Approval











Shipping	other
Approval	



GL

other

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/3VA21256HN420AA0

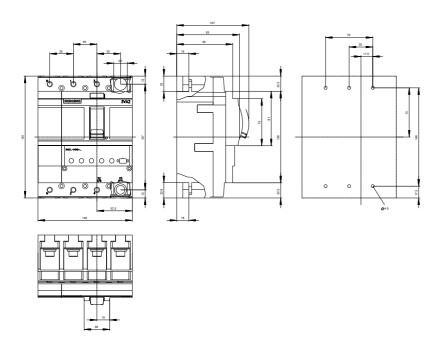
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA21256HN420AA0/all

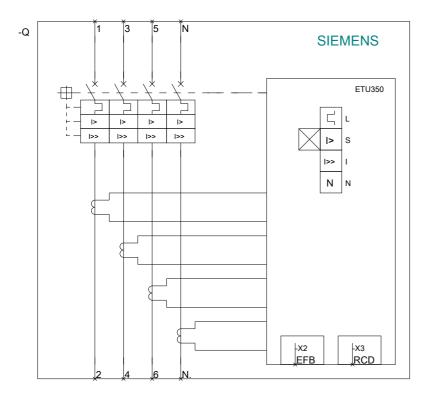
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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