SIEMENS

Data sheet



3VA2140-8HN42-0AA0

CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS L ICU=150KA @ 415 V 4POLE, LINE PROTECTION ETU350, LSI, IN=40A OVERLOAD PROTECTION IR=16A ...40A 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			
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					

Desta effect along ID	-	1040
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		L
Dissipation		
Active power loss		
• maximum	W	1.2
Electricity		
Continuous current / Rated value / maximum	А	160
Continuous current / Rated value	А	40
Adjustable response value current / of the	А	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	А	40
● at 50 °C / Rated value	А	40
● at 60 °C / Rated value	А	40
● at 65 °C / Rated value	А	40
● at 70 °C / Rated value	А	40
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	А	12
 of the short-time delayed short-circuit release / 	А	1.5
initial value		
• of the short-time delayed short-circuit release /	А	10
Full-scale value		
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	A	0.4

	No
	No
	No
	No
	Yes
	Yes
	No
	No
	No
	3VA2140-8HN42-0AA0
	200
	150
	150
	100
kA	18
	200
kA	150
kA	150
kA	100
kA	24
	440
kA	440
kA kA	330
kA	330
kA kA	330 330
	kA kA

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_				
	Lug	terminal		
mm				
mm				
mm				
	fixed	fixed mounting		
	-25			
	70			
°C	-40			
°C	80			
	Q			
	Q			
	EMC		Declaration of	Shipping
			Conformity	Approval
	other		EG-Konf.	ĴÅ DNV DNV
	mm mm °C °C °C	25 x Lug mm 181 mm 140 mm 107 fixed °C -25 °C 70 °C -40 °C 80 °C 80	mm 181 mm 140 mm 107 fixed mounting °C -25 °C 70 °C -40 °C 80	25 x 8.5 Lug terminal mm 181 mm 140 mm 107 fixed mounting

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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/3VA21408HN420AA0

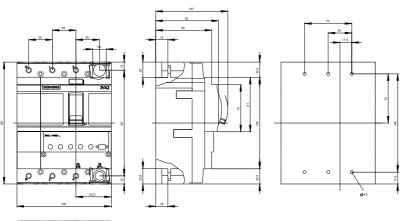
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA21408HN420AA0/all

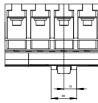
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA21408HN420AA0

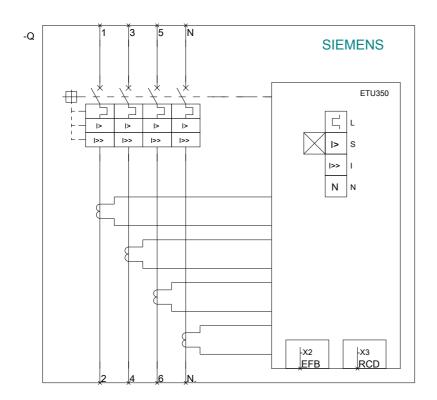
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications http://ausschreibungstexte.siemens.com/tiplv







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