SIEMENS

Data sheet



3VA2140-6HN42-0AA0

CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=85KA @ 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					

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		Н				
Dissipation						
Active power loss						
● maximum	W	1.6				
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				
		system protection				
Adjustable parameters						
Adjustable response value current						
 of I-trip / Full-scale value 	A	12				
 of the short-time delayed short-circuit release / initial value 	A	1.5				
 of the short-time delayed short-circuit release / Full-scale value 	A	10				
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 Yes Yes			
No No No Yes			
No No Yes Yes			
No Yes Yes No			
Yes Yes No			
Yes Yes No			
Yes No			
Yes No			
Yes No			
No			
No			
No			
No			
No			
3VA2140-6HN42-0AA0			
110			
85			
85			
55			
2.5			
110			
85			
85			
55			
2.5			
242			
187			
187			
121			
3.75			

_				
	Lug	terminal		
mm				
mm		140		
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 mountin °C -25 °C 70 °C -40 °C 80	25 x 8.5 Lug terminal mm 181 mm 140 mm 107 fixed mounting

GL

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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/3VA21406HN420AA0

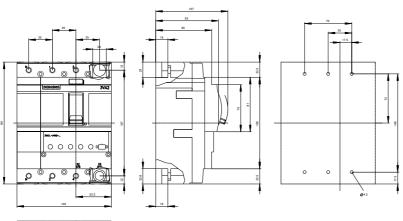
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA21406HN420AA0/all

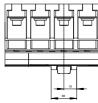
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA21406HN420AA0

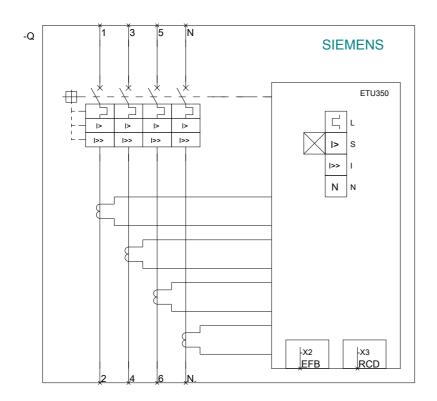
CAx-Online-Generator

http://www.siemens.com/cax

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







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