# **SIEMENS**

## Data sheet

## 3VA2340-5HN42-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A ...400A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=10 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,50%,100%) 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		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		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
Protection class iP / on the mont		
Protective function of the overcurrent release		LSI
Switching capacity		
Switching capacity class of the circuit breaker		Μ
Dissipation		
Active power loss		
• maximum	W	70
Electricity		
Continuous current / Rated value / maximum	А	400
Continuous current / Rated value	А	400
Adjustable response value current / of the	А	10
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	400
● at 50 °C / Rated value	А	400
● at 60 °C / Rated value	А	380
● at 65 °C / Rated value	А	368
• at 70 °C / Rated value	А	352
Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts	-	0
C. Salatilita	_	
Suitability Suitability for use	_	system protection
Adjustable parameters		
Adjustable response value current		
<ul> <li>of I-trip / Full-scale value</li> </ul>	A	10
<ul> <li>of the short-time delayed short-circuit release / initial value</li> </ul>	A	1.5
<ul> <li>of the short-time delayed short-circuit release / Full-scale value</li> </ul>	A	10
<ul> <li>for N-conductor protection / initial value</li> </ul>	А	0.5
<ul> <li>for N-conductor protection / Full-scale value</li> </ul>	А	1
Adjustable delay time		
of S-trip / with I2t characteristic / initial value	s	0.02
<ul> <li>of S-trip / with I2t characteristic / Full-scale</li> </ul>	S	0.4
value		

Adjustable response value current / of the current-	A	0.4
dependent overload release / initial value		
Product details		
Product component		
Trip indicator		No
• display		No
undervoltage release		No
Product property		
<ul> <li>for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof</li> </ul>		No
Product expansion / optional / motor drive		Yes
Product function		
Product function		
<ul> <li>Intrinsic device protection</li> </ul>		Yes
<ul> <li>communication function</li> </ul>		No
<ul> <li>Phase failure detection</li> </ul>		No
<ul> <li>other measurement function</li> </ul>		No
Accessories		
Manufacturer article number / of the supplied basic		<u>3VA2340-5HN42-0AA0</u>
Manufacturer article number / of the supplied basic switch Short circuit		<u>3VA2340-5HN42-0AA0</u>
switch Short circuit Operational short-circuit current breaking capacity		<u>3VA2340-5HN42-0AA0</u>
switch Short circuit Operational short-circuit current breaking capacity (Ics)		
switch Short circuit Operational short-circuit current breaking capacity	kA	85
switch Short circuit Operational short-circuit current breaking capacity (Ics)	kA	
switch Short circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value		85
switch Short circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	85 55
switch Short circuit Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value	kA	85 55
switch Short circuit 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	85 55 5
switch Short circuit Operational short-circuit current breaking capacity (lcs) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (lcu) • at 240 V / Rated value	kA kA kA	85 55 5 85
switch Short circuit Operational short-circuit current breaking capacity (lcs)  • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (lcu) • at 240 V / Rated value • at 415 V / Rated value	kA kA kA kA	85 55 5 85 55
switch Short circuit Operational short-circuit current breaking capacity (lcs)  • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value • at 690 V / Rated value	kA kA kA kA	85 55 5 85 55
switch Short circuit Operational short-circuit current breaking capacity (lcs) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value Maximum short-circuit current breaking capacity (lcu) • 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	kA kA kA kA kA	85 55 5 85 55 5
switch Short circuit 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 • at 690 V / Rated value • at 415 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 240 V / Rated value	kA kA kA kA kA	85 55 5 85 55 5 5 187
switch Short circuit Operational short-circuit current breaking capacity (Ics)  • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 240 V / Rated value • at 415 V / Rated value • at 415 V / Rated value • at 690 V / Rated value	kA kA kA kA kA kA	85 55 5 85 55 5 5 187 121
switch Short circuit 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 at 415 V / Rated value at 240 V / Rated value	kA kA kA kA kA kA	85 55 5 85 55 5 5 187 121
switch Short circuit Operational short-circuit current breaking capacity (Ics)  at 240 V / Rated value at 415 V / Rated value at 690 V / Rated value at 690 V / Rated value at 240 V / Rated value at 415 V / Rated value at 690 V / Rated value bick conservations Connections	kA kA kA kA kA kA	85 55 5 85 55 5 5 187 121 7.5
switch Short circuit Operational short-circuit current breaking capacity (lcs) • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 415 V / Rated value • at 690 V / Rated value • at 75 V / Rated value • at 690 V / Rated value	kA kA kA kA kA kA	85 55 5 85 55 5 5 187 121 7.5

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		
<ul> <li>during operation / minimum</li> </ul>	°C	-25
<ul> <li>during operation / maximum</li> </ul>	°C	70
• during storage / minimum	°C	-40
<ul> <li>during storage / maximum</li> </ul>	°C	80
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
General Product EMC De	claration of	other
Approval Co	onformity	
ERE other C	E i-Konf.	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/3VA23405HN420AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA23405HN420AA0/all

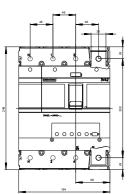
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA23405HN420AA0

## CAx-Online-Generator

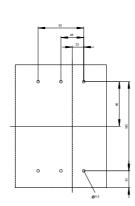
http://www.siemens.com/cax

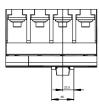
## Tender specifications

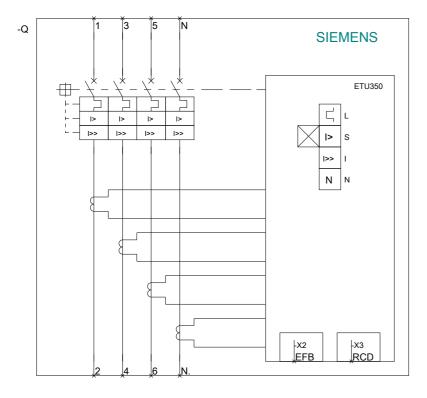
http://ausschreibungstexte.siemens.com/tiplv











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