SIEMENS

Data sheet

3VA2025-5HN42-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 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
General technical data	
Number of poles	4

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 / on the front Protective function of the overcurrent release Switching capacity Switching capacity Switching capacity class of the circuit breaker M Dissipation Active power loss • maximum W O.84 Electricity Continuous current / Rated value / maximum A Continuous current / Rated value A A Adjustable response value current / of the Instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value A A 25 Operating current • at 40 °C / Rated value A A 25 • at 60 °C / Rated value A A 25 • at 60 °C / Rated value A A 25 • at 60 °C / Rated value A A 25 • at 60 °C / Rated value A A 25 • at 60 °C / Rated value A A 25 • at 70 °C / Rated value A A 25 • at 70 °C / Rated value A A Auxiliary circuit Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Adjustable parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value • of Strip / with 12t characteristic / Full-scale • of Strip / with 12t characteristic / Full-scale • of Strip / with 12t characteristic / Full-scale • of Strip / with 12t characteristic / Full-scale • of Strip / with 12t characteristic / Full-scale • of Strip / with 12t characteristic / Full-scale • O.44	Protection class IP		IP40
Switching capacity Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 0.84 Electricity Continuous current / Rated value / maximum A 100 Continuous current / Rated value / A 25 Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Ra	Protection class IP / on the front		IP40
Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 0.84 Electricity Continuous current / Rated value / maximum A 100 Continuous current / Rated value A 25 Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated	Protective function of the overcurrent release		LSI
Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 0.84 Electricity Continuous current / Rated value / maximum A 100 Continuous current / Rated value / maximum A 25 Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70			
Dissipation Active power loss • maximum W 0.84 Electricity Continuous current / Rated value / maximum			
Active power loss • maximum M	Switching capacity class of the circuit breaker		M
● maximum W 0.84 Electricity Confinuous current / Rated value / maximum A 100 Continuous current / Rated value A 25 Adjustable response value current / of the 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 A 25 ● at 50 °C / Rated value A 25 ● at 65 °C / Rated value A 25 ● at 65 °C / Rated value A 25 ● at 70 °C / Rated value A 25 ■ at 70 °C / Rated value A 25 Suitability circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts O Suitability Suitability for use system protection Adjustable parameters Adjustable response value current ● of I-trip / Full-scale value ● of the short-time delayed short-circuit release / initial value ● of the short-time delayed short-circuit release / finitial value ■ of the short-time delayed short-circuit release / Full-scale value Adjustable delay time ● of S-trip / with 12t characteristic / initial value ■ of S-trip / with 12t characteristic / initial value ■ of S-trip / with 12t characteristic / initial value ■ of S-trip / with 12t characteristic / initial value ■ of S-trip / with 12t characteristic / initial value ■ of S-trip / with 12t characteristic / initial value	Dissipation		
Electricity Continuous current / Rated value / maximum A 100 Continuous current / Rated value Adjustable response value current / of the 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 • at 50 °C / Rated value • at 65 °C / Rated value A 25 • at 65 °C / Rated value A 25 • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitability Suitabile parameters Adjustable parameters Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / A 1.5 full-scale value Adjustable delay time • of S-trip / with l2t characteristic / initial value • of S-trip / with l2t characteristic / initial value • of S-trip / with l2t characteristic / initial value • of S-trip / with l2t characteristic / initial value • of S-trip / with l2t characteristic / initial value	Active power loss		
Continuous current / Rated value / maximum	• maximum	W	0.84
Continuous current / Rated value Adjustable response value current / of the 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 • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value At 12 • at 70 °C / Rated value At 12 • at 70 °C / Rated value • at 70 °C / Rated value • at 7	Electricity		
Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • at 40 °C / Rated value • at 50 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 25 • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitabile parameters Adjustable response value current • of 1-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value Adjustable delay time • of S-trip / with 12t characteristic / initial value s 0.02	Continuous current / Rated value / maximum	А	100
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 • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value A 25 • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / Initial value • of the short-time delayed short-circuit release / Full-scale value Adjustable delay time • of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value • 0 of S-trip / with 2t characteristic / initial value	Continuous current / Rated value	Α	25
Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value V 690 Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 25 • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitable parameters Adjustable parameters Adjustable persponse value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value Adjustable delay time • of S-trip / with l2t characteristic / initial value • of S-trip / with l2t characteristic / initial value • 0 of S-trip / with l2t characteristic / initial value • 0 of S-trip / with l2t characteristic / initial value • 0 of S-trip / with l2t characteristic / initial value • 0 of S-trip / with l2t characteristic / initial value • 0 of S-trip / with l2t characteristic / initial value	Adjustable response value current / of the	Α	12
Operating voltage • with AC / at 50/60 Hz / Rated value Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitability for use Adjustable parameters Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value Adjustable delay time • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value	instantaneous short-circuit release / initial value		
with AC / at 50/60 Hz / Rated value Operating current at 40 °C / Rated value at 50 °C / Rated value at 60 °C / Rated value at 60 °C / Rated value at 65 °C / Rated value at 65 °C / Rated value at 70 °C / Rated value at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / initial value s 0.02	Main circuit		
Operating current • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 25 • at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value • of the short-time delayed short-circuit release / Full-scale value • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value • 0 of S-trip / with I2t characteristic / initial value	Operating voltage		
at 40 °C / Rated value at 50 °C / Rated value A 25 at 60 °C / Rated value A 25 at 60 °C / Rated value A 25 at 60 °C / Rated value A 25 at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitability for use Adjustable parameters Adjustable parameters Adjustable response value current of I-trip / Full-scale value A 12 of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / initial value s 0.02	with AC / at 50/60 Hz / Rated value	V	690
at 50 °C / Rated value at 60 °C / Rated value at 60 °C / Rated value at 65 °C / Rated value at 65 °C / Rated value at 70 °C / Rated value A 25 at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with 12t characteristic / initial value s 0.02	Operating current		
at 60 °C / Rated value at 65 °C / Rated value at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value substance A 25 A 25 A 25 A 15 B 12 A 12 A 15 B 15 B 10 A 10 Adjustable delay time of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value of S-trip / with l2t characteristic / initial value	• at 40 °C / Rated value	Α	25
at 65 °C / Rated value at 65 °C / Rated value A 25 at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability for use Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value s 0.02	• at 50 °C / Rated value	Α	25
at 70 °C / Rated value A 25 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitability or use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value Adjustable delay time • of S-trip / with 12t characteristic / initial value s 0.02	• at 60 °C / Rated value	Α	25
Auxiliary circuit Number of NC contacts / for auxiliary contacts 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 • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / Full-scale value • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value s 0.02	• at 65 °C / Rated value	Α	25
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value 0 0 0 10 11 12 10 10 10 10 1	• at 70 °C / Rated value	Α	25
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value 0 0 0 10 11 12 10 10 10 10 1	Auxiliary circuit		
Suitability Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / A Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value s ystem protection 12 12 15 10 10 10 10 10 10 10 10 10			0
Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / A initial value • of the short-time delayed short-circuit release / A initial value • of S-trip / with I2t characteristic / initial value initial va	Number of NO contacts / for auxiliary contacts		0
Suitability for use Adjustable parameters Adjustable response value current • of I-trip / Full-scale value • of the short-time delayed short-circuit release / initial value • of the short-time delayed short-circuit release / A initial value • of the short-time delayed short-circuit release / A initial value • of S-trip / with I2t characteristic / initial value initial va	Suitability		
Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / A 1.5 initial value of the short-time delayed short-circuit release / A 10 Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value s 0.02			system protection
Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / A 1.5 initial value of the short-time delayed short-circuit release / A 10 Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value s 0.02	Adicatella managetana		
 of I-trip / Full-scale value of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value A 12 A 1.5 A 10 B 10 C 10<td></td><td></td><td></td>			
of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / A 10 Full-scale value Adjustable delay time of S-trip / with l2t characteristic / initial value s 0.02		Α	12
initial value • of the short-time delayed short-circuit release / A Full-scale value Adjustable delay time • of S-trip / with l2t characteristic / initial value s 0.02	·		
Full-scale value Adjustable delay time • of S-trip / with l2t characteristic / initial value s 0.02		A	1.5
• of S-trip / with I2t characteristic / initial value s 0.02		Α	10
	Adjustable delay time		
• of S-trip / with I2t characteristic / Full-scale s 0.4	• of S-trip / with I2t characteristic / initial value	S	0.02
value	 of S-trip / with I2t characteristic / Full-scale value 	S	0.4
Adjustable response value current / of the current- A 0.4 dependent overload release / initial value	-	Α	0.4

Draduot component		
Product component		NI-
• Trip indicator		No
• display		No
undervoltage release		No
Product property		
• for neutral conductors /		No
upgradeable/retrofittable / Short-circuit and 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		3VA2025-5HN42-0AA0
switch		007 2020 01 11472 07 V.O
hort circuit Operational short-circuit current breaking capacity		
Oberational Short-circuit current breaking cabacily		
(Ics)	kA	85
(Ics) ● at 240 V / Rated value	kA kA	85 55
(Ics)at 240 V / Rated valueat 415 V / Rated value		
 (Ics) at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value 	kA kA	55 55
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value 	kA kA kA	55 55 36
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value 	kA kA	55 55
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu)	kA kA kA kA	55 55 36 2
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value Maximum short-circuit current breaking capacity (Icu) at 240 V / Rated value 	kA kA kA kA	55 55 36 2
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 kA	55 55 36 2
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 V / Rated value at 690 V / Rated value at 240 V / Rated value at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 440 V / Rated value 	kA kA kA kA kA	55 55 36 2 85 55 55
 at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 500 V / Rated value at 500 V / Rated value at 500 V / Rated value	kA kA kA kA kA kA	55 55 36 2 85 55 55 55
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 500 V / Rated value at 690 V / Rated value at 690 V / Rated value at 690 V / Rated value	kA kA kA kA kA	55 55 36 2 85 55 55
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 690 V / Rated value at 690 V / Rated value standard for the following capacity (Icm) Short-circuit current making capacity (Icm)	kA kA kA kA kA kA kA	55 55 36 2 85 55 55 36 2
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 690 V / Rated value at 240 V / Rated value	kA kA kA kA kA kA kA	55 55 36 2 85 55 55 36 2
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 690 V / Rated value at 240 V / Rated value Short-circuit current making capacity (Icm) at 240 V / Rated value at 415 V / Rated value	kA kA kA kA kA kA kA kA kA	55 55 36 2 85 55 55 36 2 187 121
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 690 V / Rated value at 440 V / Rated value at 240 V / Rated value at 240 V / Rated value at 445 V / Rated value at 445 V / Rated value at 440 V / Rated value	kA kA kA kA kA kA kA kA kA	55 55 36 2 85 55 55 36 2 187 121 121
at 240 V / Rated value at 415 V / Rated value at 440 V / Rated value at 500 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 440 V / Rated value at 500 V / Rated value at 690 V / Rated value at 240 V / Rated value Short-circuit current making capacity (Icm) at 240 V / Rated value at 415 V / Rated value	kA kA kA kA kA kA kA kA kA	55 55 36 2 85 55 55 36 2 187 121

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	

ertificates		
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/3VA20255HN420AA0

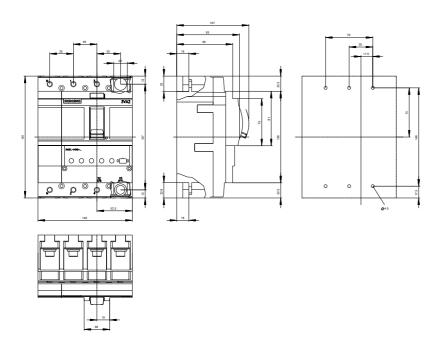
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20255HN420AA0/all

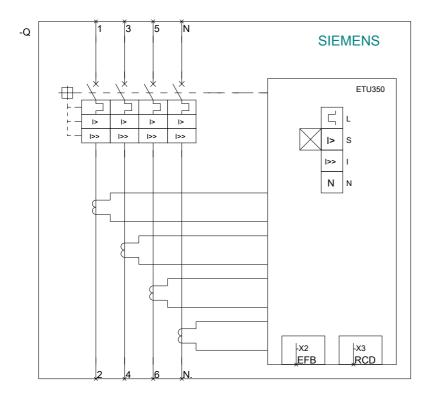
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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