SIEMENS

Data sheet

3VA2163-5HN36-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU350, LSI, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=12 X IN CABLE 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	3
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 class of the circuit breaker Dissipation Active power loss • maximum W 4 Electricity Continuous current / Rated value / maximum Active power loss • maximum Active power loss • maximum Active power loss • maximum A 160 Continuous current / Rated value / maximum A 63 Adjustable response value current / of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with Act / at 50/60 Hz / Rated value • vith AC / at 50/60 Hz / Rated value • at 40 °C / Rated value • at 50 °C / Rated value • at 63 • at 63 • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value •	Protection class IP		IP40
Switching capacity Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 4 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 63 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 63 • at 50 °C / Rated value A 63 • at 65 °C / Rated value A 63 • at 65 °C / Rated value A 63 • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts 0 Suitability Suitability or use system protection Adjustable parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable delay time • of the short-time delayed short-circuit release / A 1.5 Full-scale value Adjustable response value current A 0.397	Protection class IP / on the front		IP40
Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 4 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 63 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 voltage • with AC / at 50/60 Hz / Rated value V 690 Operating current • at 40 °C / Rated value • at 50 °C / Rated value A 63 • at 50 °C / Rated value A 63 • at 65 °C / Rated value A 63 • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts O Suitability Suitability or use 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 12t characteristic / initial value • of S-trip / with 12t characteristic / initial value • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	Protective function of the overcurrent release		LSI
Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 4 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 63 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 voltage • with AC / at 50/60 Hz / Rated value V 690 Operating current • at 40 °C / Rated value • at 50 °C / Rated value A 63 • at 50 °C / Rated value A 63 • at 65 °C / Rated value A 63 • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts O Suitability Suitability or use 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 12t characteristic / initial value • of S-trip / with 12t characteristic / initial value • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	0 "		
Dissipation Active power loss • maximum W 4 Electricity Continuous current / Rated value / maximum			M
Active power loss • maximum Maximum	Switching capacity class of the circuit breaker		IVI
Electricity Continuous current / Rated value / maximum A 160 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 • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Sultability Sultability 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 S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale value Adjustable response value current of 6 S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / initial value Adjustable response value current of the current- A 0.397	Dissipation		
Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 63 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 67 °C / Rated value • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Suitability 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 / A 1.5 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 / Full-scale value Adjustable response value current / of the current-	Active power loss		
Continuous current / Rated value / maximum	• maximum	W	4
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 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 60 °C / Rated value • at 70 °C / Rated value • at 80 °C / Rated value • at 90 °C / Rated value • at 12 °C / Rated value • at 10 °C / Rated value • at	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 67 °C / Rated value • at 70 °C / Rated value A 63 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 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 • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	Continuous current / Rated value / maximum	Α	160
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 A 63 • at 65 °C / Rated value A 63 • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability for use Adjustable parameters Adjustable parameters Adjustable parameters Adjustable 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 • of S-trip / with 12t characteristic / initial value • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- • O 4 0.397	Continuous current / Rated value	Α	63
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 60 °C / Rated value • at 65 °C / Rated value • at 65 °C / Rated value • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Suitability Suitability Suitabile parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable parameters Adjustable delaytime • 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 12t characteristic / initial value • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	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 60 °C / Rated value A 63 • at 60 °C / Rated value A 63 • at 65 °C / Rated value A 63 • at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitabile 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 12t characteristic / initial value • of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current- A 0.397	instantaneous short-circuit release / initial value		
with AC / at 50/60 Hz / Rated value Operating current	Main circuit		
Operating current • at 40 °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 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts 0 Suitability 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 / A 1.5 Full-scale value Adjustable delay time • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	Operating voltage		
at 40 °C / Rated value at 50 °C / Rated value at 63 at 60 °C / Rated value at 60 °C / Rated value at 60 °C / Rated value at 70 °C / Rated value at 70 °C / Rated value A 63 Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Suitability Suitability Suitabile parameters Adjustable parameters Adjustable response value current 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 of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable delay time of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current- Adjustable response value current / of the current- A 0.397	 with AC / at 50/60 Hz / Rated value 	V	690
at 50 °C / Rated value at 60 °C / Rated value A 63 at 65 °C / Rated value A 63 at 70 °C / Rated value A 63 at 70 °C / Rated value A 63 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 12t characteristic / initial value of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current- A 0.397	Operating current		
at 60 °C / Rated value at 65 °C / Rated value A 63 at 70 °C / Rated value A 63 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 of S-trip / with 12t characteristic / Full-scale value Adjustable response value current Adjustable response value current Adjustable delay time of S-trip / with 12t characteristic / Full-scale value Adjustable response value current / of the current-	• at 40 °C / Rated value	Α	63
at 65 °C / Rated value at 70 °C / Rated value A 63 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 I2t characteristic / initial value of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current- A 0.397	● at 50 °C / Rated value	Α	63
at 70 °C / Rated value A 63 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 / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current- A 0.397	• at 60 °C / Rated value	Α	63
Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 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 I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- Adjustable response value current / of the current-	● at 65 °C / Rated value	Α	63
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 I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale solution Adjustable response value current / of the current- Adjustable response value current / of the current- Adjustable response value current / of the current-	• at 70 °C / Rated value	Α	63
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 I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale solution Adjustable response value current / of the current- Adjustable response value current / of the current- Adjustable response value current / of the current-	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 1.5 Full-scale value Adjustable delay time • of S-trip / with I2t characteristic / initial value • of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397			0
Suitability for use Adjustable parameters Adjustable response value current of I-trip / Full-scale value of the short-time delayed short-circuit release / A 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 the short-time delayed short-circuit release / A initial value Adjustable delay time of S-trip / with I2t characteristic / initial value s initial	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 / Initial value of the short-time delayed short-circuit release / Initial value of the short-time delayed short-circuit release / Initial value Adjustable delay time of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	Suitability		
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 1.5 Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397			system protection
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 1.5 Full-scale value Adjustable delay time of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397	Adjustable parameters		
 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 / Full-scale value Adjustable response value current / of the current- A 0.397 			
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 / Full-scale value Adjustable response value current / of the current- A 0.397		Α	12
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 • of S-trip / with I2t characteristic / Full-scale s 0.4 value Adjustable response value current / of the current- A 0.397			
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 Adjustable response value current / of the current- A 0.397			
Adjustable delay time • of S-trip / with I2t characteristic / initial value s 0.02 • of S-trip / with I2t characteristic / Full-scale s 0.4 value Adjustable response value current / of the current- A 0.397	• of the short-time delayed short-circuit release /	Α	10
 of S-trip / with I2t characteristic / initial value of S-trip / with I2t characteristic / Full-scale value Adjustable response value current / of the current- A 0.397 	Full-scale value		
of S-trip / with I2t characteristic / Full-scale s value Adjustable response value current / of the current- A 0.397	Adjustable delay time		
value Adjustable response value current / of the current- A 0.397	• of S-trip / with I2t characteristic / initial value	S	0.02
	•	S	0.4
uepenuent ovenoau reiease / initial value	Adjustable response value current / of the current-dependent overload release / initial value	Α	0.397

roduct details Product component		
Trip indicator		No
·		No
display undervoltage release		No
undervoltage release Product property		140
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		<u>3VA2163-5HN36-0AA0</u>
switch		
hort circuit		
Tiort off our		
Operational short-circuit current breaking capacity (Ics)		
Operational short-circuit current breaking capacity	kA	85
Operational short-circuit current breaking capacity (Ics)	kA kA	85 55
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value		
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value	kA	55
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 V / Rated value • at 440 V / Rated value	kA kA	55 55
Operational short-circuit current breaking capacity (Ics) • 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
Operational short-circuit current breaking capacity (Ics) • 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 kA	55 55 36
Operational short-circuit current breaking capacity (Ics) • 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	55 55 36 2.5
Operational short-circuit current breaking capacity (Ics) • 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 2.5
Operational short-circuit current breaking capacity (Ics) • 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 2.5 85 55
Operational short-circuit current breaking capacity (Ics) • 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 440 V / Rated value	kA kA kA kA kA kA	55 55 36 2.5 85 55 55
Operational short-circuit current breaking capacity (Ics) • 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	kA kA kA kA kA kA	55 55 36 2.5 85 55 55 55 36
Operational short-circuit current breaking capacity (Ics) • 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	kA kA kA kA kA kA	55 55 36 2.5 85 55 55 55 36
Operational short-circuit current breaking capacity (Ics) • 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 690 V / Rated value • at 690 V / Rated value Short-circuit current making capacity (Icm)	kA kA kA kA kA kA kA	55 55 36 2.5 85 55 55 36 2.5
Operational short-circuit current breaking capacity (Ics) • 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 440 V / Rated value • at 690 V / Rated value	kA kA kA kA kA kA kA kA	55 55 36 2.5 85 55 55 36 2.5
Operational short-circuit current breaking capacity (Ics) • at 240 V / Rated value • at 415 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 690 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 240 V / Rated value • at 415 V / Rated value	kA	55 55 36 2.5 85 55 55 36 2.5 187 121

Arrangement of electrical connectors / for main current circuit		Front terminal
Type of connectable conductor cross-section		
 of the round conductor terminal / stranded 		1 x (6-120 mm²)
Type of electrical connection / for main current circuit		Box terminal
Mechanical Design		
Height	mm	181

Mechanical Design		
Height	mm	181
Width	mm	105
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	



other

GL

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/3VA21635HN360AA0

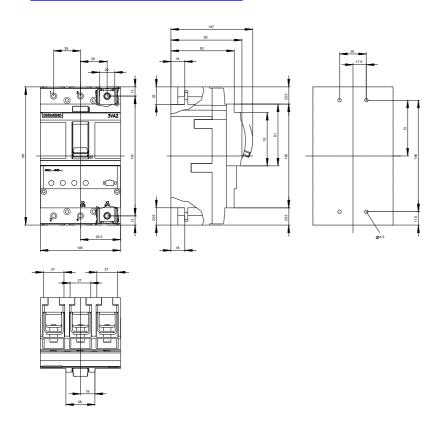
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA21635HN360AA0/all

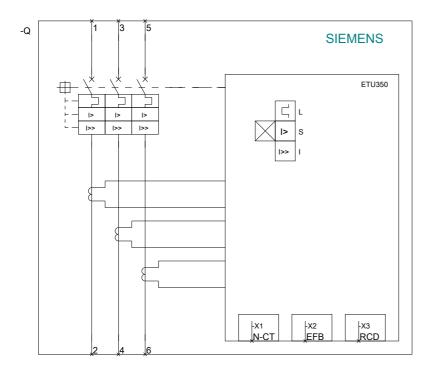
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA21635HN360AA0

CAx-Online-Generator

http://www.siemens.com/cax

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





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