## **SIEMENS**

## Data sheet

## 3VA1110-4EE42-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS S ICU=36KA @ 415 V 4-POLE, LINE PROTECTION TM220, ATFM, IN=100A OVERLOAD PROTECTION IR=70A ...100A SHORT CIRCUIT PROTECTION II=10 X IN NEUTRAL UNPROTECTED BUSBAR CONNECTION

Figure similar

Model		
product brand name		SENTRON
Product designation		Molded case circuit breaker
Design of the product		Line protection
Product variations		General Applications
Ground fault monitoring version		Without
Design of the auxiliary release		Without auxiliary release
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		TM220
General technical data		
Number of poles		4
Trip class / of the L-trip / with I2t characteristic / initial value		1
Trip class / of the L-trip / with I2t characteristic / Full- scale value		1
Electrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		8 000
circuit-breaker / Design		3VA
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Insulation voltage / Rated value	V	800
Protection class		

Protection class IP / on the front       IP40         Protective function of the overcurrent release       LI         Switching capacity       S         Switching capacity class of the circuit breaker       S         Dissipation       -         Active power loss       -         • maximum       W         25       -         Electricity       -         Continuous current / Rated value / maximum       A         1 of the current-dependent overload release /       A         - of the current-dependent overload release /       A         - of the instantaneous short-circuit release / initial       A         - of the current-dependent overload release /       A         - of the instantaneous short-circuit release / initial       A         Operating outage       -         • with AC / at 50/60 Hz / Rated value       V         Operating outage       -         • with AC / at 50/760 Hz / Rated value       A         - at 40 °C / Rated value       A         - at 40 °C / Rated value       A         - at 60 °C / Rated value       A	Protection class IP	_	IP40
Switching capacity       Switching capacity class of the circuit breaker     S       Dissipation     Active power loss     waximum       Active power loss     waximum     W     25       Electricity     Continuous current / Rated value / maximum     A     160       Continuous current / Rated value / maximum     A     160       Adjustable response value current     A     100       Adjustable response value current     A     10       of the current-dependent overload release / Full-scale value     A     10       Main circuit     Operating overlage     A     10       Main circuit     V     690     600       Operating outage     V     690     600       Operating outage     V     690     600       Operating outage     V     690     600       Operating current     A     100     4150 °C / Rated value       at 40 °C / Rated value     A     100     4150 °C / Rated value       at 55 °C / Rated value     A     96       at 60 °C / Rated value     A     91       at 70 °C / Rated value     D   <	Protection class IP / on the front	-	IP40
Switching capacity class of the circuit breaker     S       Dissipation       Active power loss     W       • maximum     W       25       Electricity       Continuous current / Rated value     A       100       Adjustable response value current     A       • of the current-dependent overload release / Full-scale value     A     1       • of the current-dependent overload release / Full-scale value     A     10       Main circuit     Operating voltage     A     10       Main circuit     Operating voltage     Operating voltage       • with AC / at 50060 Hz / Rated value     V     690       Operating current     Image: Continuous current     Image: Continuous current       • at 40 °C / Rated value     A     100       • at 40 °C / Rated value     A     100       • at 60 °C / Rated value     A     98       • at 60 °C / Rated value     A     96       • at 60 °C / Rated value     A     91       Auxiliary circuit     Xumber of CO contacts / for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Suitability or use     system protection       Adjustable parameters     A     10       Adjustable parameters     A     0	Protective function of the overcurrent release		LI
Switching capacity class of the circuit breaker     S       Dissipation     X       Active power loss     • maximum       W     25       Electricity     Continuous current / Rated value     A       Continuous current / Rated value     A     100       Adjustable response value current     • of the current-dependent overload release / Full-scale value     A     1       • of the current-dependent overload release / Full-scale value     A     10       • of the instantaneous short-circuit release / initial value     A     10       Main circuit     Operating voltage     •     690       • of DC / Rated value     V     690       • of DC / Rated value     A     100       • at 0° C / Rated value     A     100       • at 60° C / Rated value     A     98       • at 60° C / Rated value     A     96       • at 60° C / Rated value     A     96       • at 60° C / Rated value     A     91       Auxiliary circuit     Xumber of CO contacts / for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Suitability for use     system protection       Adjustable parameters     A     10       • for N-conductor protection / initial value     A     0       •		_	
Dissipation         Active power loss       with an intervent of the instantaneous short-circuit release / initial value       A       160         Continuous current / Rated value / maximum       A       160         Continuous current / Rated value       A       100         Adjustable response value current       A       100         of the current-dependent overload release / initial value       A       1         of the current-dependent overload release / initial value       A       10         Main circuit       A       10         Operating voltage       Image: Colspan="2">Image: Colspan="2">Colspan= Colspan="2">Image: Colspan= Colspan="2">Image: Colspan= Colspan="2">Image: Colspan= Colspan= Colspan="2">Image: Colspan= C		_	S
Active power loss     W     25       Electricity     Continuous current / Rated value / maximum     A     160       Continuous current / Rated value     A     100       Adjustable response value current     A     100       Adjustable response value current     A     10       • of the current-dependent overload release / Full-scale value     A     1       • of the instantaneous short-circuit release / initial value     A     10       Main circuit     Operating voltage     V     690       • for DC / Rated value     V     690       • for DC / Rated value     A     100       • at 40 °C / Rated value     A     100       • at 40 °C / Rated value     A     100       • at 55 °C / Rated value     A     96       • at 60 °C / Rated value     A     91       • at 60 °C / Rated value     A     91       • at 60 °C / Rated value     A     91       • at 65 °C / Rated value     A     91       • at 70 °C / Rated value     A     91       Auxiliary circuit     Number of CO contacts / for auxiliary contacts     0       Suitability     Suitability for use     system protection       Adjustable parameters     A     10       • for N-conductor protection / initial value			5
• maximum     W     25       Electricity     A     160       Continuous current / Rated value     A     100       Adjustable response value current     • of the current-dependent overload release / Initial value     A     1       • of the instantaneous short-circuit release / Initial value     A     10       Main circuit     A     10       Operating voltage     Initial value     V     690       • of DC / Rated value     V     690       • of DC / Rated value     A     100       • at 40 °C / Rated value     A     100       • at 50 °C / Rated value     A     100       • at 50 °C / Rated value     A     98       • at 60 °C / Rated value     A     96       • at 50 °C / Rated value     A     91       Auxiliary circuit     A     91       Auxiliary circuit     A     91       Auxiliary circuit     A     91       Auxiliary circuit     A     91       Suitability for use     system protection       Adjustable response value current     A     10       • of I-trip / Full-scale value     A     10       • of I-trip / Full-scale value     A     10       • of N-conductor protection / initial value     A     0		_	
Electricity       A       160         Continuous current / Rated value       A       100         Adjustable response value current       A       10         • of the current-dependent overload release / Full-scale value       A       1         • of the instantaneous short-circuit release / initial value       A       10         Main circuit       A       10         Operating voltage       V       690         • with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       A       100         • at 40 °C / Rated value       V       690         • for DC / Rated value       A       100         • at 55 °C / Rated value       A       100         • at 65 °C / Rated value       A       96         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability for use       system protection         Activability for use       system protection         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       0 <td< td=""><td>·</td><td></td><td></td></td<>	·		
Continuous current / Rated value / maximum       A       160         Continuous current / Rated value       A       100         Adjustable response value current       A       100         • of the current-dependent overload release / Full-scale value       A       1         • of the instantaneous short-circuit release / initial value       A       10         Main circuit       A       10         Operating voltage       Image: Continuous current       A         • of the instantaneous short-circuit release / initial value       V       690         Main circuit       Operating voltage       V       600         Operating current       A       100       A       100         • at 40 °C / Rated value       A       100       A       600         Operating current       A       100       A       100         • at 50 °C / Rated value       A       98       A       400         • at 60 °C / Rated value       A       96       A       91         Auxiliary circuit       Number of CO contacts / for auxiliary contacts       0       0         Suitability       Suitability       System protection       A         Adjustable response value current       A       10       0<	● maximum	W	25
Continuous current / Rated value       A       100         Adjustable response value current       • of the current-dependent overload release / Full-scale value       A       1         • of the instantaneous short-circuit release / initial value       A       10         Main circuit       A       10         Operating voltage       V       690         • for DC / Rated value       V       600         Operating current       V       600         Operating current       V       600         Operating current       A       100         • at 40 °C / Rated value       A       100         • at 40 °C / Rated value       A       100         • at 55 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability for use       system protection         Adjustable response value current       A       10         • of 1-trip / Full-scale value       A       10         • of 1-trip / Full-scale value       A       0         • of r-N-conductor protection	Electricity		
Adjustable response value current     A     1       • of the current-dependent overload release / Full-scale value     A     1       • of the instantaneous short-circuit release / initial value     A     10       Main circuit     A     10       Operating voltage     V     690       • with AC / at 50/60 Hz / Rated value     V     690       • for DC / Rated value     V     690       • of C / Rated value     A     100       • at 40 °C / Rated value     A     100       • at 50 °C / Rated value     A     100       • at 50 °C / Rated value     A     96       • at 65 °C / Rated value     A     96       • at 65 °C / Rated value     A     91       Auxiliary circuit     A     91       Auxiliary circuit     0     0       Suitability     System protection       Adjustable response value current     A     10       • of I-trip / Full-scale value     A     10       • for N-conductor protection / initial value     A     10       • for N-conductor protection / initial value     A     0       • for N-conductor protection / Full-scale value     A     0	Continuous current / Rated value / maximum	А	160
• of the current-dependent overload release /       A       1         Full-scale value       • of the instantaneous short-circuit release / initial value       A       10         Main circuit       A       10         Main circuit       V       690         Operating voltage       V       690         • with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       Image: Comparison of the current       Image: Comparison of the current         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 50 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       94         • at 65 °C / Rated value       A       91         Auxiliary circuit       D       0         Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability       system protection         Adjustable response value current       A       10         • of I-trip / Full-scale value       A       0         • of N-conductor protection / initital value       A       0<	Continuous current / Rated value	А	100
Full-scale value       A       10         Main circuit       A       10         Main circuit       V       690         • with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       V       600         • at 40 °C / Rated value       A       100         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 50 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability for use       system protection         Adjustable response value current       A       10         • of I-trip / Full-scale value       A       10         • of I-trip / Full-scale value       A       0         • of I-trip / Full-scale value       A       0         • of N-conductor protection / initial value       A       0         • of N-conductor protection / Full-scale value       A       0	Adjustable response value current	-	
Value       Main circuit         Operating voltage       V         • with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       V       600         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 50 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       91         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable response value current       -       10         • of I-trip / Full-scale value       A       0         • of N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0	•	A	1
Operating voltage       V       690         • with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       100       600         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 55 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       10         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0		A	10
• with AC / at 50/60 Hz / Rated value       V       690         • for DC / Rated value       V       600         Operating current       -       -         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 50 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       91         Auxiliary circuit       A       91         Auxiliary circuit       0       0         Suitability       System protection         Adjustable parameters       A       10         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response valu	Main circuit		
• for DC / Rated value       V       600         Operating current       -         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 50 °C / Rated value       A       98         • at 60 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 60 °C / Rated value       A       91         Auxiliary circuit       A       91         Auxiliary circuit       0       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       10         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response value current / of the current-       A       0.7	Operating voltage		
Operating current       A       100         • at 40 °C / Rated value       A       100         • at 50 °C / Rated value       A       100         • at 55 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 65 °C / Rated value       A       94         • at 70 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability for use       system protection         Adjustable parameters       A       10         • of 1-trip / Full-scale value       A       0         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value	<ul> <li>with AC / at 50/60 Hz / Rated value</li> </ul>	V	690
• at 40 °C / Rated valueA100• at 50 °C / Rated valueA98• at 55 °C / Rated valueA98• at 60 °C / Rated valueA96• at 65 °C / Rated valueA94• at 70 °C / Rated valueA91Auxiliary circuitNumber of CO contacts / for auxiliary contacts0SuitabilitySuitability for useAdjustable parametersAdjustable parametersA1010• of 1-trip / Full-scale valueA10• for N-conductor protection / initial valueA0• for N-conductor protection / Full-scale valueA0Adjustable response value current / of the current-A0.7	<ul> <li>for DC / Rated value</li> </ul>	V	600
• at 50 °C / Rated value       A       100         • at 55 °C / Rated value       A       98         • at 60 °C / Rated value       A       96         • at 65 °C / Rated value       A       94         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Number of CO contacts / for auxiliary contacts       0         Suitability       O         Suitability for use       system protection         Adjustable parameters       A         Adjustable response value current       A         • of I-trip / Full-scale value       A         • for N-conductor protection / initial value       A         • for N-conductor protection / Full-scale value       A         • Adjustable response value current / of the current-       A         • Adjustable response value current / of the current-       A	Operating current	-	
• at 55 °C / Rated value       A       98         • at 55 °C / Rated value       A       96         • at 65 °C / Rated value       A       94         • at 65 °C / Rated value       A       91         Auxiliary circuit       A       91         Auxiliary circuit       O       O         Suitability       O       O         Suitability for use       system protection         Adjustable parameters       A       10         • of I-trip / Full-scale value       A       0         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         Adjustable response value current / of the current-       A       0	• at 40 °C / Rated value	А	100
• at 60 °C / Rated value       A       96         • at 65 °C / Rated value       A       94         • at 70 °C / Rated value       A       91         Auxiliary circuit         Number of CO contacts / for auxiliary contacts       0         Suitability         Suitability for use         Adjustable parameters         Adjustable response value current       A       10         • of 1-trip / Full-scale value       A       0         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response value current / of the current-       A       0.7	• at 50 °C / Rated value	А	100
• at 65 °C / Rated value       A       94         • at 70 °C / Rated value       A       91         Auxiliary circuit       A       91         Auxiliary circuit       0         Suitability       0         Suitability for use       0         Adjustable parameters       system protection         Adjustable response value current       A       10         • of I-trip / Full-scale value       A       0         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         Adjustable response value current / of the current-       A       0.7	• at 55 °C / Rated value	А	98
• at 70 °C / Rated value       A       91         Auxiliary circuit       0         Number of CO contacts / for auxiliary contacts       0         Suitability       system protection         Adjustable parameters       4         Adjustable response value current       A         • of I-trip / Full-scale value       A         • for N-conductor protection / initial value       A         • for N-conductor protection / Full-scale value       A         • Adjustable response value current / of the current-       A         • Adjustable response value current / of the current-       A	• at 60 °C / Rated value	А	96
Auxiliary circuit         Number of CO contacts / for auxiliary contacts       0         Suitability       0         Suitability for use       system protection         Adjustable parameters       4djustable response value current         • of I-trip / Full-scale value       A         • for N-conductor protection / initial value       A         • for N-conductor protection / Full-scale value       A	• at 65 °C / Rated value	А	94
Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability for use         Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • of I-trip / Full-scale value       A         • for N-conductor protection / initial value       A         • for N-conductor protection / Full-scale value       A         • Adjustable response value current / of the current-       A         • for N-conductor protection / Full-scale value       A         • for N-conductor protection / Full-scale value       A	• at 70 °C / Rated value	А	91
Number of CO contacts / for auxiliary contacts       0         Suitability       Suitability for use         Suitability for use       system protection         Adjustable parameters       10         Adjustable response value current       A         • of I-trip / Full-scale value       A         • for N-conductor protection / initial value       A         • for N-conductor protection / Full-scale value       A         • Adjustable response value current / of the current-       A         • for N-conductor protection / Full-scale value       A         • for N-conductor protection / Full-scale value       A	Auxiliary circuit		
Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response value current / of the current-       A       0.7			0
Suitability for use       system protection         Adjustable parameters       Adjustable response value current         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response value current / of the current-       A       0.7	Suitability.		
Adjustable response value current       A       10         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         Adjustable response value current / of the current-       A       0.7			system protection
Adjustable response value current       A         • of I-trip / Full-scale value       A       10         • for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         • Adjustable response value current / of the current-       A       0.7	Adjustable parameters		
• for N-conductor protection / initial value     • for N-conductor protection / Full-scale value     A     A     O     Adjustable response value current / of the current-     A     O.7			
• for N-conductor protection / initial value       A       0         • for N-conductor protection / Full-scale value       A       0         Adjustable response value current / of the current-       A       0.7		А	10
for N-conductor protection / Full-scale value     A     A     O     Adjustable response value current / of the current-     A     O     O.7		А	0
Adjustable response value current / of the current- A 0.7		А	0
		A	0.7
Product details	Product details		
Product component			

• Trin indicator		No
Trip indicator		No
• display		
Voltage trigger		No
undervoltage release		No
undervoltage release with leading contact		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 switch		<u>3VA1110-4EE42-0AA0</u>
Chart sizes it	_	
Short circuit Operational short-circuit current breaking capacity		
(Ics)		
• at 240 V / Rated value	kA	55
• at 415 V / Rated value	kA	36
• at 440 V / Rated value	kA	25
• at 500 V / Rated value	kA	15
• at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	55
• at 415 V / Rated value	kA	36
• at 440 V / Rated value	kA	25
• at 500 V / Rated value	kA	16
• at 690 V / Rated value	kA	7
Short-circuit current making capacity (Icm)	-	
• at 240 V / Rated value	kA	121
• at 415 V / Rated value	kA	75.6
• at 690 V / Rated value	kA	7.5
Connections		
Arrangement of electrical connectors / for main		Front terminal
current circuit		

Type of connectable conductor cross-section

	er	EG-Konf.	
General Product Approval EMC		Declaration of Conformity	Shipping Approval
• acc. to DIN EN 81346-2		Q	
• acc. to DIN EN 61346-2		Q	
quipment marking			
ertificates			
<ul> <li>during storage / maximum</li> </ul>	°C	80	
<ul> <li>during storage / minimum</li> </ul>	°C	-40	
<ul> <li>during operation / maximum</li> </ul>	°C	70	
<ul> <li>during operation / minimum</li> </ul>	°C	-25	
Ambient temperature			
nvironmental conditions			
Mounting type		fixed mount	ing
Depth	mm	70	
Vidth	mm	101.6	
leight	mm	130	
echanical Design			
Type of electrical connection / for main current circuit		Lug termina	l
<ul> <li>for flat-bar terminal connection / maximum</li> </ul>		17 x 6.5	

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ununun	mornation	

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

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https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11104EE420AA0

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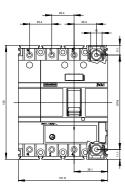
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11104EE420AA0

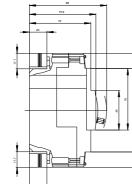
CAx-Online-Generator

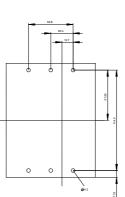
http://www.siemens.com/cax

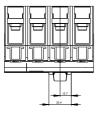
## **Tender specifications**

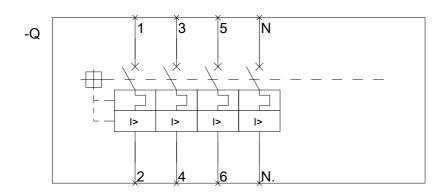
http://ausschreibungstexte.siemens.com/tiplv











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11.03.2015