



CIRCUIT BREAKER 3VT2 STANDARD BREAKING CAPACITY ICU=36KA, 415V AC 3-POLE; CIRCUIT BREAKER W/O ELECTRONIC TRIP UNIT W/O AUXILIARY TRIP UNIT W/O AUXILIARY/ALARM SWITCH WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH OHNE HILFS/ALARMSCHALTER

Model		
product brand name		SENTRON
Product designation		3VT1_5 molded case circuit breakers
<b>Design of the operating mechanism</b>		toggle handle
<b>Type of the driving mechanism / motor drive</b>		No
General technical data		
<b>Number of poles</b>		3
<b>Size of the circuit-breaker</b>		3VT2
Electrical endurance (switching cycles) / typical		3 000
<b>Usage category</b>		A
<b>Performance class for circuit breaker</b>		N
<b>Mechanical service life (switching cycles) / typical</b>		30 000
<b>Operating frequency / maximum</b>	1/h	120
Voltage		
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	kV	8
Protection class		
<b>Protection class IP</b>		IP40
Dissipation		
<b>Active power loss</b>		
• maximum	W	18
Electricity		
Continuous current / Rated value	A	250

Derating temperature / for the rated value of the continuous current	°C	70
<b>Main circuit</b>		
<b>Operating frequency</b>		
• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
<b>Operating voltage</b>		
• Rated value / maximum	V	690
• for main current circuit / with AC / at 50 Hz / maximum	V	690
• for main current circuit / with AC / at 60 Hz / maximum	V	690
• for main current circuit / for DC / maximum	V	440
<b>Operating current</b>		
• at 40 °C / Rated value	A	250
• at 50 °C / Rated value	A	250
• at 55 °C / Rated value	A	250
• at 60 °C / Rated value	A	250
• at 65 °C / Rated value	A	250
• at 70 °C / Rated value	A	250
<b>Auxiliary circuit</b>		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
<b>Suitability</b>		
<b>Suitability for use</b>		Contact unit without release
• Disconnecting means		Yes
<b>Product details</b>		
<b>Product component</b>		
• Trip indicator		No
• Auxiliary switch		No
• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product expansion / optional / motor drive		Yes
<b>Product function</b>		
<b>Product function</b>		
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
• overload protection		No

## Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 240 V / Rated value	kA	30
• at 415 V / Rated value	kA	18
• at 500 V / Rated value	kA	8
• at 690 V / Rated value	kA	5
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• at 240 V / Rated value	kA	60
• at 415 V / Rated value	kA	36
• at 500 V / Rated value	kA	16
• at 690 V / Rated value	kA	10
<b>Short-circuit current making capacity (Icm)</b>		
• at 415 V / Rated value	kA	75

## Connections

Arrangement of electrical connectors / for main current circuit		front side
Type of electrical connection / for main current circuit		screw-type terminals

## Mechanical Design



<b>Height</b>	mm	225
<b>Width</b>	mm	105
<b>Depth</b>	mm	117
<b>mounting position</b>		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
<b>Mounting type</b>		fixed mounting

## Environmental conditions

<b>Ambient temperature</b>		
• during operation / minimum	°C	-40
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

## Certificates

Equipment marking / acc. to DIN EN 61346-2		Q
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General Product Approval		Declaration of Conformity	Test Certificates	other
 CCC	 GOST		 EG-Konf.	<a href="#">Type Test Certificates/Test Report</a> <a href="#">other</a>

other
<a href="#">Environmental Confirmations</a>

### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VT27252AA360AA0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3VT27252AA360AA0/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT27252AA360AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT27252AA360AA0)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>

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