



CIRCUIT BREAKER 3VT2 STANDARD BREAKING CAPACITY ICU=36KA, 415V AC 4-POLE; CIRCUIT BREAKER W/O OVERCURRENT RELEASE N SWITCHED WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH

Figure similar

Model		
product brandname		SENTRON
Product designation		3VT1_5 molded case circuit breakers
Design of the operating mechanism		toggle handle
Type of the driving mechanism / motor drive		No

General technical data		
Number of poles		4
Size of the circuit-breaker		3VT2
Electrical endurance (switching cycles) / typical		3 000
Usage category		A
Performance class for circuit breaker		N
Mechanical service life (switching cycles) / typical		30 000
Operating frequency / maximum	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>Power loss [W]</b>		
<ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	W	6
<ul style="list-style-type: none"> <li>maximum</li> </ul>	W	18
Electricity		
Continuous current / rated value	A	250
Derating temperature / for the rated value of the continuous current	°C	70
Main circuit		
<b>Operating frequency</b>		
<ul style="list-style-type: none"> <li>1 / rated value</li> </ul>	Hz	50
<ul style="list-style-type: none"> <li>2 / rated value</li> </ul>	Hz	60
<b>Operating voltage</b>		
<ul style="list-style-type: none"> <li>rated value / maximum</li> </ul>	V	690
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 50 Hz / maximum</li> </ul>	V	690
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 60 Hz / maximum</li> </ul>	V	690
<ul style="list-style-type: none"> <li>for main current circuit / at DC / maximum</li> </ul>	V	440
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>at 40 °C / rated value</li> </ul>	A	250
<ul style="list-style-type: none"> <li>at 50 °C / rated value</li> </ul>	A	250
<ul style="list-style-type: none"> <li>at 55 °C / rated value</li> </ul>	A	250
<ul style="list-style-type: none"> <li>at 60 °C / rated value</li> </ul>	A	250
<ul style="list-style-type: none"> <li>at 65 °C / rated value</li> </ul>	A	250
<ul style="list-style-type: none"> <li>at 70 °C / rated value</li> </ul>	A	250
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
<b>Suitability for use</b>		Contact unit without release
<ul style="list-style-type: none"> <li>Disconnecting means</li> </ul>		Yes
Product details		
<b>Product component</b>		
<ul style="list-style-type: none"> <li>Trip indicator</li> </ul>		No
<ul style="list-style-type: none"> <li>Auxiliary switch</li> </ul>		No

• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product extension / optional / motor drive		Yes

### Product function

<b>Product function</b>		
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
• Phase failure detection		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

### 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	140
<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
<b>Net weight</b>	kg	4.1

### 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
- acc. to DIN EN 81346-2

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### General Product Approval

### Declaration of Conformity

### Test Certificates

### other



CCC



EG-Konf.

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[sonstig](#)

[Umweltbestätigung](#)

## 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/3VT2725-2AA46-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VT2725-2AA46-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT2725-2AA46-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT2725-2AA46-0AA0)

### CAX-Online-Generator

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

### Tender specifications

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

