

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	120 1/h
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	8 kV

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>	6 W
<ul style="list-style-type: none"> <li>maximum</li> </ul>	18 W
Electricity	
Continuous current / rated value	250 A
Derating temperature / for the rated value of the continuous current	70 °C
Main circuit	
<b>Operating frequency</b>	
<ul style="list-style-type: none"> <li>1 / rated value</li> </ul>	50 Hz
<ul style="list-style-type: none"> <li>2 / rated value</li> </ul>	60 Hz
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>rated value / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 50 Hz / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 60 Hz / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>for main current circuit / at DC / maximum</li> </ul>	440 V
<b>Operating current</b>	
<ul style="list-style-type: none"> <li>at 40 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>at 50 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>at 55 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>at 60 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>at 65 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>at 70 °C / rated value</li> </ul>	250 A
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
<ul style="list-style-type: none"> <li>Voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>undervoltage release</li> </ul>	No
<ul style="list-style-type: none"> <li>undervoltage release with leading contact</li> </ul>	No
Product extension / optional / motor drive	Yes

## Product function

### Product function

- |   |    |
|---|----|
| • Ground fault protection                                   | No |
| • for neutral conductors / Short-circuit and overload proof | No |
| • Phase failure detection                                   | No |
| • Overload protection                                       | No |

## Short circuit

### Operational short-circuit current breaking capacity (Ics)

- |                          |       |
|--------------------------|-------|
| • at 240 V / rated value | 30 kA |
| • at 415 V / rated value | 18 kA |
| • at 500 V / rated value | 8 kA  |
| • at 690 V / rated value | 5 kA  |

### Maximum short-circuit current breaking capacity (Icu)

- |                          |       |
|--------------------------|-------|
| • at 240 V / rated value | 60 kA |
| • at 415 V / rated value | 36 kA |
| • at 500 V / rated value | 16 kA |
| • at 690 V / rated value | 10 kA |

## Connections

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

## Mechanical Design

- |                   |   |
|-------------------|---|
| Height            | 225 mm  |
| Width             | 140 mm  |
| Depth             | 117 mm  |
| Mounting position | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| Mounting type     | fixed mounting  |
| Net weight        | 4.1 kg  |

## Environmental conditions

### Ambient temperature

- |                              |        |
|------------------------------|--------|
| • during operation / minimum | -40 °C |
| • during operation / maximum | 70 °C  |
| • during storage / minimum   | -40 °C |
| • during storage / maximum   | 70 °C  |

## Certificates

### Equipment marking

- |                          |   |
|--------------------------|---|
| • acc. to DIN EN 61346-2 | Q |
| • acc. to DIN EN 81346-2 | Q |

General Product Approval	Declaration of Conformity	Test Certificates	other
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CCC



EG-Konf.

[Typprüfbescheinigung/Werkszeugnis](#)

[sonstig](#)

## 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://www.siemens.com/specifications>



