

CIRCUIT BREAKER 3VT2 HIGH SWITCHING CAPACITY  
 ICU=65KA,  
 415V AC 4-POLE;  
 CIRCUIT BREAKER W/O ELECTRONIC TRIP UNIT N  
 SWITCHED W/O AUXILIARY TRIP UNIT W/O  
 AUXILIARY/ALARM SWITCH WITHOUT AUXILIARY  
 RELEASE WITHOUT AUXILIARY/ALARM SWITCH OHNE  
 HILFSAUSLOESER

| Technical data:                                         |     |                                     |
|---------------------------------------------------------|-----|-------------------------------------|
| Product designation                                     |     | 3VT1_5 molded case circuit breakers |
| Width                                                   | mm  | 140                                 |
| Height                                                  | mm  | 225                                 |
| Depth                                                   | mm  | 117                                 |
| Size of the circuit-breaker                             |     | 3VT2                                |
| Product function / ground-fault protection              |     | No                                  |
| Continuous current / rated value                        | A   | 250                                 |
| Short-time current resistance (Icw)                     |     | -                                   |
| Operating voltage / for main current circuit            |     |                                     |
| • at 50 Hz / for AC / maximum                           | V   | 690                                 |
| • at 60 Hz / for AC / maximum                           | V   | 690                                 |
| • for DC / maximum                                      | V   | 440                                 |
| Impulse voltage resistance / rated value                | kV  | 8                                   |
| Number of poles                                         |     | 4                                   |
| Active power loss / maximum                             | W   | 18                                  |
| Operating cycles / maximum                              | 1/h | 120                                 |
| Operating frequency                                     |     |                                     |
| • 1 / rated value                                       | Hz  | 50                                  |
| • 2 / rated value                                       | Hz  | 60                                  |
| Breaking capacity limit short-circuit current (Icu)     |     |                                     |
| • at 240 V / rated value                                | kA  | 100                                 |
| • at 415 V / rated value                                | kA  | 65                                  |
| • at 500 V / rated value                                | kA  | 25                                  |
| • at 690 V / rated value                                | kA  | 13                                  |
| Operating short-circuit current breaking capacity (Ics) |     |                                     |
| • at 240 V / rated value                                | kA  | 50                                  |
| • at 415 V / rated value                                | kA  | 36                                  |

|                                                                                                 |    |                                                                                                                         |
|-------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| • at 500 V / rated value                                                                        | kA | 13                                                                                                                      |
| • at 690 V / rated value                                                                        | kA | 8                                                                                                                       |
| <b>Ultimate short-circuit current making capacity (I<sub>cm</sub>) / at 415 V / rated value</b> | kA | 75                                                                                                                      |
| <b>Mounting type</b>                                                                            |    | fixed mounting                                                                                                          |
| <b>Design of the electrical connection / for main current circuit</b>                           |    | box terminals                                                                                                           |
| <b>Arrangement of electrical connectors / for main current circuit</b>                          |    | front side                                                                                                              |
| <b>Number of NC contacts / for auxiliary contacts</b>                                           |    | 0                                                                                                                       |
| <b>Number of NO contacts / for auxiliary contacts</b>                                           |    | 0                                                                                                                       |
| <b>Number of changeover contacts / for auxiliary contacts</b>                                   |    | 0                                                                                                                       |
| <b>Product component</b>                                                                        |    |                                                                                                                         |
| • undervoltage release mechanism                                                                |    | No                                                                                                                      |
| • Voltage trigger                                                                               |    | No                                                                                                                      |
| • undervoltage release with leading contact                                                     |    | No                                                                                                                      |
| <b>Suitability for use / circuit breaker</b>                                                    |    | Yes                                                                                                                     |
| <b>Reference code</b>                                                                           |    | -                                                                                                                       |
| <b>Reference code / according to DIN EN 61346-2</b>                                             |    | Q                                                                                                                       |
| <b>Ambient temperature</b>                                                                      |    |                                                                                                                         |
| • during operating                                                                              |    |                                                                                                                         |
| • minimum                                                                                       | °C | -40                                                                                                                     |
| • maximum                                                                                       | °C | 70                                                                                                                      |
| • during storage                                                                                |    |                                                                                                                         |
| • minimum                                                                                       | °C | -40                                                                                                                     |
| • maximum                                                                                       | °C | 70                                                                                                                      |
| <b>Derating temperature / for the rated value of the continuous current</b>                     | °C | 70                                                                                                                      |
| <b>Utilization category</b>                                                                     |    | A                                                                                                                       |
| <b>Protection class IP</b>                                                                      |    | IP40                                                                                                                    |
| <b>Product function</b>                                                                         |    |                                                                                                                         |
| • overload protection                                                                           |    | No                                                                                                                      |
| • for zero conductors / short-circuit and overload protection                                   |    | No                                                                                                                      |
| <b>mounting position</b>                                                                        |    | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| <b>Mechanical operating cycles as operating time / typical</b>                                  |    | 30,000                                                                                                                  |
| <b>Electrical operating cycles as operating time / typical</b>                                  |    | 3,000                                                                                                                   |

Certificates/approvals:

| General Product Approval                                                                  | Declaration of Conformity                                                                     | Test Certificates                                  | other                 |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------|
| <br>GOST | <br>EG-Konf. | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">other</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/3VT2725-3AA43-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VT2725-3AA43-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT2725-3AA43-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT2725-3AA43-0AA0)

##### CAX-Online-Generator

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

last change:

Jun 16, 2014