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CIRCUIT-BREAKER VL 160L VERY HIGH BREAKING CAPACITY ICU=100KA / 415 V AC 3 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT LCD ETU40, LI/LS/LSI IN=160A, RATED CURRENT IR=64-160A, OVERLOAD ISD=1,5TO10XIR, II=11XIN SHORT-CIRCUIT WITHOUT AUXILIARY RELEASE

| General technical data:  |    |                             |
|--|----|-----------------------------|
| <b>Number of poles</b>   |    | 3                           |
| <b>Design of the overcurrent release</b>   |    | LCD ETU40                   |
| <b>Acceptability for application</b>   |    | system/generator protection |
| <b>Product component</b>   |    |                             |
| <ul style="list-style-type: none"> <li>• undervoltage release with leading contact</li> </ul>  |    | No                          |
| <b>Protection class IP</b>   |    | IP20                        |
| <b>Protective function of the overcurrent release</b>  |    | LSI                         |
| <b>Impulse voltage resistance / rated value</b>  | kV | 8                           |
| <b>Ambient temperature</b>   |    |                             |
| <ul style="list-style-type: none"> <li>• during operating                             <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> </li> <li>• during storage                             <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> </li> </ul> | °C | -25 ...                     |
|  | °C | 70                          |
|  | °C | -40                         |
|  | °C | 50                          |
| Main circuit:  |    |                             |
| <b>Insulation voltage / for AC / rated value</b>   | V  | 800                         |
| <b>Operating frequency</b>   |    |                             |
| <ul style="list-style-type: none"> <li>• 1 / rated value</li> <li>• 2 / rated value</li> </ul>   | Hz | 50                          |
|  | Hz | 60                          |
| <b>Item designation</b>  |    |                             |
| <ul style="list-style-type: none"> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> <li>• according to DIN EN 61346-2</li> </ul>  |    | Q                           |
|  |    | Q                           |
| <b>Operating voltage</b>   |    |                             |
| <ul style="list-style-type: none"> <li>• for main current circuit                             <ul style="list-style-type: none"> <li>• at 50 Hz / for AC</li> </ul> </li> </ul>  |    |                             |

|   |    |     |
|---|----|-----|
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                 | V  | 690 |
| <ul style="list-style-type: none"> <li>• at 60 Hz / for AC</li> </ul>       |    |     |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                 | V  | 690 |
| <b>Continuous current / rated value</b>                                     | A  | 160 |
| <b>Derating temperature / for the rated value of the continuous current</b> | °C | 50  |
| <ul style="list-style-type: none"> <li>• acc. to UL 489</li> </ul>          | °C | 40  |

#### Short-circuit:

|  |    |       |
|--|----|-------|
| <b>Adjustable response current</b>   |    |       |
| <ul style="list-style-type: none"> <li>• of the current-dependent overload release</li> </ul>  |    | - ... |
| <ul style="list-style-type: none"> <li>• initial value</li> </ul>                              |    |       |
| <ul style="list-style-type: none"> <li>• of the non-delayed short-circuit release</li> </ul>   |    | - ... |
| <ul style="list-style-type: none"> <li>• initial value</li> </ul>                              |    |       |
| <b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 415 V / rated value</b> | kA | 100   |


#### Installation/mounting/dimensions:

|                         |                |
|-------------------------|----------------|
| <b>Type of mounting</b> | fixed mounting |
|-------------------------|----------------|

#### Connections:

|  |               |
|--|---------------|
| <b>Arrangement of electrical connectors / for main current circuit</b> | front side    |
| <b>Design of the electrical connection / for main current circuit</b>  | box terminals |

#### Certificates/approvals:

| Test Certificates                        | Shipping Approval   | other                                       |
|--|---|---|
| <a href="#">Special Test Certificate</a> |  | <a href="#">other</a>                       |
|  |   | <a href="#">Environmental Confirmations</a> |

#### Further information:

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

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

##### Industry Mall (Online ordering system)

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

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

<http://support.automation.siemens.com/WW/view/en/3VL2716-3UH33-0A..all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL2716-3UH33-0A..](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2716-3UH33-0A..)

##### CAX-Online-Generator

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

last change:

Feb 8, 2013