

Similar to image

CIRCUIT-BREAKER VL160X N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=80A, RATED CURRENT IR=80A, OVERLOAD II=1000A, SHORT-CIRCUIT

**General technical data:**

<b>Number of poles</b>		3
<b>Design of the overcurrent release</b>		TM
<b>Acceptability for application</b>		system protection
<b>Product component</b> • undervoltage release with leading contact		No
<b>Protection class IP</b>		IP20
<b>Protective function of the overcurrent release</b>		LI
<b>Impulse voltage resistance / rated value</b>	kV	8
<b>Ambient temperature</b> • during operating • minimum • maximum • during storage • minimum • maximum	°C	-25 ... 70 -40 50

**Main circuit:**

<b>Insulation voltage / for AC / rated value</b>	V	800
<b>Operating frequency</b> • 1 / rated value • 2 / rated value	Hz	50 60
<b>Item designation</b> • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2		Q Q
<b>Operating voltage</b> • for main current circuit • at 50 Hz / for AC • maximum • at 60 Hz / for AC	V	690

• maximum	V	690
<b>Continuous current / rated value</b>	A	80
<b>Derating temperature / for the rated value of the continuous current</b>	°C	50
• acc. to UL 489	°C	40

#### Short-circuit:

##### Adjustable response current

- of the current-dependent overload release
  - initial value
- of the non-delayed short-circuit release
  - initial value

- ...

- ...

##### Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 415 V / rated value

kA

55

#### Installation/mounting/dimensions:

##### Type of mounting

fixed mounting

#### Connections:

##### Arrangement of electrical connectors / for main current circuit

front side

##### Design of the electrical connection / for main current circuit

box terminals

#### Certificates/approvals:

##### General Product Approval



CCC



GOST

[KTL](#)

##### EMC



C-TICK

##### Declaration of Conformity



EG-Konf.

##### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

##### Shipping Approval



ABS



BUREAU VERITAS



GL



LRS



PRS



RINA

##### other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

#### Further information:

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

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

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**Industry Mall (Online ordering system)**

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

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

<http://support.automation.siemens.com/WW/view/en/3VL1708-1DA33-..../all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL1708-1DA33-....](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL1708-1DA33-....)

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**CAX-Online-Generator**

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

**last change:**

Feb 8, 2013