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CIRCUIT-BREAKER VL 800L VERY HIGH BREAKING CAPACITY ICU=100KA / 415 V AC 4 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU10, LI IN=800A, RATED CURRENT IR=320-800A, OVERLOAD II=1,25TO8XIN, SHORT-CIRCUIT N PROTECTED WITHOUT AUXILIARY RELEASE ETU COMMUNICATION-CAPABLE

General technical data:

| | | |
|---|----|-------------------|
| Number of poles | | 4 |
| Design of the overcurrent release | | ETU10 |
| Acceptability for application | | system protection |
| Product component | | No |
| <ul style="list-style-type: none"> • undervoltage release with leading contact | | |
| Protection class IP | | IP20 |
| Protective function of the overcurrent release | | LI |
| Impulse voltage resistance / rated value | kV | 8 |
| Ambient temperature | | |
| <ul style="list-style-type: none"> • during operating | | |
| <ul style="list-style-type: none"> • minimum | °C | -25 ... |
| <ul style="list-style-type: none"> • maximum | °C | 70 |
| <ul style="list-style-type: none"> • during storage | | |
| <ul style="list-style-type: none"> • minimum | °C | -40 |
| <ul style="list-style-type: none"> • maximum | °C | 50 |

Main circuit:

| | | |
|--|----|-----|
| Insulation voltage / for AC / rated value | V | 800 |
| Operating frequency | | |
| <ul style="list-style-type: none"> • 1 / rated value | Hz | 50 |
| <ul style="list-style-type: none"> • 2 / rated value | Hz | 60 |
| Item designation | | |
| <ul style="list-style-type: none"> • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | Q |
| <ul style="list-style-type: none"> • according to DIN EN 61346-2 | | Q |
| Operating voltage | | |
| <ul style="list-style-type: none"> • for main current circuit | | |
| <ul style="list-style-type: none"> • at 50 Hz / for AC | | |
| <ul style="list-style-type: none"> • maximum | V | 690 |

| | | |
|--|----|-----|
| <ul style="list-style-type: none"> • at 60 Hz / for AC • maximum | V | 690 |
| Continuous current / rated value | A | 800 |
| Derating temperature / for the rated value of the continuous current | °C | 50 |
| <ul style="list-style-type: none"> • 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_{cu}) / at 415 V / rated value

kA 100

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

screw-type terminals

Certificates/approvals:

General Product Approval



CSA



GOST



C-TICK



EG-Konf.

EMC

Declaration of Conformity

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval

other



GL



RINA

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

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/3VL6780-3NB46-0A../all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL6780-3NB46-0A..

last change:

Feb 8, 2013