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CIRCUIT-BREAKER VL 800L VERY HIGH BREAKING CAPACITY ICU=100KA / 415 V AC 3 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU10, LI IN=800A, RATED CURRENT IR=320-800A, OVERLOAD II=1,25TO8XIN, SHORT-CIRCUIT UNDERVOLTAGE RELEASE 24 V DC AUXILIARY/ALARM SWITCH KIT 2HS(1NO+1NC)+1AS(1NO)

General technical data:		
Number of poles		3
Design of the overcurrent release		ETU10
Suitability for use		system protection
Usage category		A
Electrical endurance (switching cycles) / typical		3,000
Mechanical service life (switching cycles) / typical		10,000
Active power loss / maximum	W	250
Product component		
• Auxiliary switch		Yes
• Voltage trigger		No
• undervoltage release		Yes
• undervoltage release with leading contact		No
Product function		
• of the thermal overload release		adjustable
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
• overload protection		Yes
Operating frequency / maximum	1/s	60
Protection class IP		IP20
Protective function of the overcurrent release		LI
Surge voltage resistance / Rated value	kV	8
Ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +80
Main circuit:		
Insulation voltage / with AC / Rated value	V	800
Operating frequency		

• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
<b>Reference code</b>		
• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
• acc. to DIN EN 61346-2		Q
<b>Operating voltage / for main current circuit</b>		
• with AC / at 50 Hz		
• maximum	V	690
• with AC / at 60 Hz		
• maximum	V	690
<b>Operating current</b>		
• at 40 °C / Rated value	A	800
• at 50 °C / Rated value	A	800
• at 60 °C / Rated value	A	760
• at 70 °C / Rated value	A	640
<b>Continuous current / Rated value</b>	A	800
<b>Derating temperature / for the rated value of the continuous current</b>	°C	50

#### Auxiliary circuit:

**Number of NC contacts / for auxiliary contacts**

1

**Number of NO contacts / for auxiliary contacts**

2

#### Short-circuit:

**Adjustable response value current**

- of the current-dependent overload release
- of the instantaneous short-circuit release

A 320 ... 800

A 1,000 ... 6,400

**Maximum short-circuit current breaking capacity (I<sub>cu</sub>) / at 415 V / Rated value**

kA 100

#### Installation/mounting/dimensions:

**Mounting type**

fixed mounting

**Height**

mm 406.5

**Width**

mm 190

**Depth**

mm 176.5

#### Connections:

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

front side

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

screw-type terminals

**Type of connectable conductor cross-section**

- for auxiliary contacts

- solid
- finely stranded / with core end processing

0.75 ... 1.5 mm<sup>2</sup>

0,75 ... 1.0 mm<sup>2</sup>

### Certificates/approvals:

#### General Product Approval



CCC



CSA

[TSE](#)

#### Declaration of Conformity



EG-Konf.

#### Test Certificates

[Special Test Certificate](#)

#### Shipping Approval



DNV



GL



RINA



RMRS

#### other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

### 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/3VL6780-3SB36-2PE1>

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

<http://support.automation.siemens.com/WW/view/en/3VL6780-3SB36-2PE1/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL6780-3SB36-2PE1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL6780-3SB36-2PE1)

#### CAX-Online-Generator

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

#### Tender specifications

[Datanorm GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

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