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CIRCUIT-BREAKER VL 800L VERY HIGH BREAKING CAPACITY ICU=100KA / 415 V AC 4 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU20, LSI IN=800A, RATED CURRENT IR=320-800A, OVERLOAD ISD=1,5TO7XIR, II=8XIN SHORT-CIRCUIT N PROTECTED

General technical data:

Number of poles		4
Design of the overcurrent release		ETU20
Acceptability for application		system/generator protection
Product component		
<ul style="list-style-type: none"> • undervoltage release with leading contact 		No
Protection class IP		IP20
Protective function of the overcurrent release		LSIN
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		
<ul style="list-style-type: none"> • of the current-dependent overload release • initial value 		- ...
<ul style="list-style-type: none"> • of the non-delayed short-circuit release • initial value 		- ...
Breaking capacity limit short-circuit current (Icu) / at 415 V / rated value	kA	100








Installation/mounting/dimensions:

Type of mounting	fixed mounting
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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			EMC	Declaration of Conformity
 CCC	 CSA	 GOST	 C-TICK	 EG-Konf.
Test Certificates		Shipping Approval		
Special Test Certificate	Type Test Certificates/Test Report	 GL	 RINA	
other				
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/3VL6780-3TF46-.../all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL6780-3TF46-....

CAX-Online-Generator

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

last change:

Feb 8, 2013