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CIRCUIT-BREAKER VL 1600H HIGH BREAKING CAPACITY ICU=70KA / 415 V AC 4 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU20, LSI IN=1600A, RATED CURRENT IR=640-1600A, OVERLOAD ISD=1,5TO8XIR, II=9XIN SHORT-CIRCUIT N PROTECTED WITHOUT AUXILIARY RELEASE ETU COMMUNICATION-CAPABLE

General technical data:

Number of poles		4
Design of the overcurrent release		ETU20
Acceptability for application		system/generator 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		LSI
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 • at 60 Hz / for AC • maximum 	V	690
Continuous current / rated value	V	690
Derating temperature / for the rated value of the continuous current	A	1,600
<ul style="list-style-type: none"> • acc. to UL 489 	°C	50
	°C	40

Short-circuit:

Adjustable response current		
<ul style="list-style-type: none"> • of the current-dependent overload release • initial value • of the non-delayed short-circuit release • initial value 		- ...
Breaking capacity limit short-circuit current (Icu) / at 415 V / rated value	kA	70







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	without connection accessoires

Certificates/approvals:

General Product Approval	EMC	Declaration of Conformity	Test Certificates		
 CSA	 GOST	 C-TICK	 EG-Konf.	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/3VL8716-2NE40-0A../all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL8716-2NE40-0A..

last change:

Feb 8, 2013