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CIRCUIT-BREAKER VL 1250H HIGH BREAKING CAPACITY ICU=70KA / 415 V AC 3 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU10, LI IN=1250A, RATED CURRENT IR=500-1250A, OVERLOAD II=1,25TO10XIN, SHORT CIRCUIT WITHOUT AUXILIARY RELEASE AUXILIARY SWITCH KIT 4HS(2NO+2NC)

**General technical data:**

<b>Number of poles</b>		3
<b>Design of the overcurrent release</b>		ETU10
<b>Acceptability for application</b>		system protection
<b>Electrical operating cycles as operating time / typical</b>		1,500
<b>Mechanical operating cycles as operating time / typical</b>		3,000
<b>Active power loss / maximum</b>	W	210
<b>Product component</b>		
• auxiliary switch		Yes
• Voltage trigger		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
<b>Product function</b>		
• of the thermal overload release		adjustable
• ground-fault protection		No
• for zero conductors / short-circuit and overload protection		No
• overload protection		Yes
<b>Operating cycles / maximum</b>	1/s	30
<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	°C	-25 ... +70
• during storage	°C	-40 ... +80

#### Main circuit:

<b>Insulation voltage / for AC / rated value</b>	V	800
<b>Operating frequency</b>		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
<b>Reference code</b>		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		Q
• according to DIN EN 61346-2		Q
<b>Operating voltage / for main circuit</b>		
• at 50 Hz / with AC		
• maximum	V	690
• at 60 Hz / with AC		
• maximum	V	690
<b>Operating current</b>		
• at 40 °C / rated value	A	1,250
• at 50 °C / rated value	A	1,250
• at 60 °C / rated value	A	1,187.5
• at 70 °C / rated value	A	1,000
<b>Continuous current / rated value</b>	A	1,250
<b>Derating temperature / for the rated value of the continuous current</b>	°C	50

#### Auxiliary circuit:

<b>Number of NC contacts / for auxiliary contacts</b>		2
<b>Number of NO contacts / for auxiliary contacts</b>		2

#### Short-circuit:

<b>Adjustable response current</b>		
• of the current-dependent overload release	A	500 ... 1,250
• of the non-delayed short-circuit release	A	1,563 ... 12,500
<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 415 V / rated value</b>	kA	70

#### Installation/mounting/dimensions:







<b>Mounting type</b>		fixed mounting
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Height	mm	406.5
Width	mm	228.5
Depth	mm	333.5

#### 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 the connectable conductor cross-section <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> </ul> </li> </ul>		0.75 ... 1.5 mm <sup>2</sup> 0,75 ... 1.0 mm <sup>2</sup>

#### Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates
 CCC  CSA <a href="#">TSE</a>	 EG-Konf.	<a href="#">Special Test Certificate</a>
Shipping Approval	other	
 DNV  GL  RINA	<a href="#">Confirmation</a>	<a href="#">other</a> <a href="#">Environmental Confirmations</a>

#### 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/3VL7712-2SB36-0AC1>

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

<http://support.automation.siemens.com/WW/view/en/3VL7712-2SB36-0AC1/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL7712-2SB36-0AC1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL7712-2SB36-0AC1)

##### CAX-Online-Generator

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

##### Tender specifications

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

last change:

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