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CIRCUIT-BREAKER VL 160H HIGH BREAKING CAPACITY  
ICU=70KA / 415 V AC 4 POLE,  
NON-AUTOMATIC OVERCURRENT RELEASE MAGNETIC  
IN=160A,  
RATED CURRENT II=2500A, SHORT-CIRCUIT

### General technical data:

Number of poles		4
Design of the overcurrent release		M
Acceptability for application		non-automatic circuit-breakers
Electrical operating cycles as operating time / typical		10,000
Mechanical operating cycles as operating time / typical		20,000
Active power loss / maximum	W	40
Product component		
• auxiliary switch		No
• Voltage trigger		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
Product function		
• of the thermal overload release		Without
• ground-fault protection		No
• for zero conductors / short-circuit and overload protection		No
• overload protection		No
Operating cycles / maximum	1/s	120
Protection class IP		IP20
Protective function of the overcurrent release		I
Impulse voltage resistance / rated value	kV	8
Ambient temperature		
• during operating		
• minimum	°C	-25 ...
• maximum	°C	70
• during storage		
• minimum	°C	-40
• maximum	°C	50

### Main circuit:

Insulation voltage / for AC / rated value	V	800
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<b>Operating frequency</b>  • 1 / rated value  • 2 / rated value	Hz	50
	Hz	60
<b>Item designation</b>  • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  • according to DIN EN 61346-2		Q
		Q
<b>Operating voltage</b>  • for main current circuit  • at 50 Hz / for AC  • maximum  • at 60 Hz / for AC  • maximum  • for DC  • maximum	V	690
	V	690
	V	500
<b>Operating current</b>  • at 40 °C / rated value  • at 50 °C / rated value  • at 60 °C / rated value  • at 70 °C / rated value	A	160
	A	160
	A	148.8
	A	137.6
<b>Continuous current / rated value</b>	A	160
<b>Derating temperature / for the rated value of the continuous current</b>	°C	50

#### Auxiliary circuit:

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

0

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

0

#### Short-circuit:

##### Adjustable response current

- of the current-dependent overload release
  - initial value
- of the non-delayed short-circuit release
  - initial value
  - final value

...

A

2,500 ...

A

2,500

**Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 415 V / rated value**

kA

70

#### Installation/mounting/dimensions:

**Type of mounting**

fixed mounting

**Height**

mm

174.5

**Width**

mm

139.5

<b>Depth</b>	mm	106.5
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#### Connections:

<b>Arrangement of electrical connectors / for main current circuit</b>		front side
<b>Design of the electrical connection / for main current circuit</b>		box terminals
<b>Type of the connectable conductor cross-section</b> <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>• with flexible busbar</li> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> <li>• stranded</li> </ul> </li> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> </ul> </li> </ul>		12 x 10 mm 2,5 ... 95 mm <sup>2</sup> 2,5 ... 50 mm <sup>2</sup> 2,5 ... 95 mm <sup>2</sup>  0,75 ... 1.5 mm <sup>2</sup> 0.75 ... 1.0 mm <sup>2</sup>

#### Certificates/approvals:

#### 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/3VL2716-2EE43-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL2716-2EE43-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2716-2EE43-0AA0)

##### CAX-Online-Generator

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

**last change:**

Feb 8, 2013