



CIRCUIT-BREAKER VL 250N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=250A, RATED CURRENT IR=200-250A, OVERLOAD II=1200-2500A, SHORT-CIRCUIT

Model		
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		3
Electrical endurance (switching cycles)		
• typical		10 000
Performance class for circuit breaker		N
Mechanical service life (switching cycles) / typical		20 000
Operating frequency / maximum	1/s	120
Voltage		
Rated operational voltage Ue / max.	V	690
Insulation voltage		
• Rated value	V	800
• with AC / Rated value	V	800
Surge voltage resistance		
• Rated value	kV	8
Protection class		
Protection class IP		IP20
Dissipation		
Active power loss		
• maximum	W	80
Electricity		
Continuous current		

• Rated value	A	250
Derating temperature / for the rated value of the continuous current	°C	50
<b>Adjustable response value current</b>		
• of the current-dependent overload release / Full-scale value	A	250
• of the instantaneous short-circuit release / initial value	A	1 250
• of the instantaneous short-circuit release / Full-scale value	A	2 500

### Main circuit

<b>Operating frequency</b>		
• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
<b>Operating voltage</b>		
• for main current circuit / with AC / at 50 Hz / maximum	V	690
• for main current circuit / with AC / at 60 Hz / maximum	V	690
• for main current circuit / for DC / maximum	V	500
<b>Operating current</b>		
• at 40 °C / Rated value	A	250
• at 50 °C / Rated value	A	250
• at 55 °C / Rated value	A	232.5
• at 60 °C / Rated value	A	232.5
• at 65 °C / Rated value	A	215
• at 70 °C / Rated value	A	215

### Auxiliary circuit

<b>Number of CO contacts</b>		
• for auxiliary contacts		0
<b>Number of NC contacts</b>		
• for auxiliary contacts		1
<b>Number of NO contacts</b>		
• for auxiliary contacts		2

### Adjustable parameters

<b>Adjustable response value current / of the current-dependent overload release / initial value</b>	A	200
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### Product details

<b>Product component</b>		
• Trip indicator		Yes
• Auxiliary switch		Yes

• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
<b>Product expansion</b>		
• optional		
— motor drive		Yes

### Product function

<b>Product function</b>		
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
• overload protection		Yes

### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 240 V / Rated value	kA	65
• at 415 V / Rated value	kA	55
• at 500 V / Rated value	kA	20
• at 690 V / Rated value	kA	6
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• at 240 V / Rated value	kA	65
• at 415 V / Rated value	kA	55
• at 440 V / Rated value	kA	25
• at 480 V / acc. to NEMA / Rated value	kA	25
• at 500 V / Rated value	kA	25
• at 600 V / acc. to NEMA / Rated value	kA	12
• at 690 V / Rated value	kA	12

### Mechanical Design

<b>Height</b>	mm	185.5
<b>Width</b>	mm	104.5
<b>Depth</b>	mm	106.5

### Environmental conditions

<b>Ambient temperature</b>		
• during operation / minimum	°C	0
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	80

### Certificates

General Product Approval	EMC
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[TSE](#)

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Declaration of Conformity	Test Certificates	Shipping Approval			
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[Special Test Certificate](#)



Shipping Approval	other				
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[Environmental Confirmations](#)

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[Confirmation](#)

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/3VL37251DC360AD1>

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

<http://support.automation.siemens.com/WW/view/en/3VL37251DC360AD1/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL37251DC360AD1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL37251DC360AD1)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>

last modified:

23.02.2015