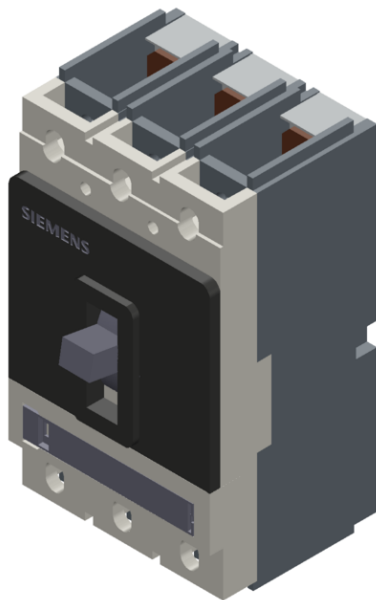


Circuit breaker VL250N Standard switching capacity  $I_{cu}=55$  kA, 415V  
AC 3-pole, system protection Overcurrent release TM, LI  $I_n=250$  A,  
Rated current  $I_r=200...250$  A, Overload protection,  $I_l=1200...2500$  A,  
short-circuit protection



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	TM

General technical data	
Number of poles	3
Size of the circuit-breaker	3VL3
Electrical endurance (switching cycles) / typical	10 000
Usage category	A
Performance class for circuit breaker	N
Mechanical service life (switching cycles) / typical	20 000
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	Q
Operating frequency / maximum	120 1/s

Voltage	
Rated operational voltage U <sub>e</sub> / max.	690 V
Insulation voltage	
• rated value	800 V
• at AC / rated value	800 V
Surge voltage resistance / rated value	8 kV

Protection class	
Protection class IP	IP20
Protective function of the overcurrent release	LI

Electricity	
Operating current / at 45 °C / rated value	250 A
Continuous current / rated value	250 A
Derating temperature / for the rated value of the continuous current	50 °C
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	250 A
• of instantaneous short-circuit trip unit / initial value	1 250 A
• of instantaneous short-circuit trip unit / Full-scale value	2 500 A

Main circuit	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• rated value / maximum	690 V

<ul style="list-style-type: none"> <li>• for main current circuit / at AC / at 50 Hz / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>• for main current circuit / at AC / at 60 Hz / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>• for main current circuit / at DC / maximum</li> </ul>	500 V
<b>Operating current</b>	
<ul style="list-style-type: none"> <li>• at 40 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul>	250 A
<ul style="list-style-type: none"> <li>• at 55 °C / rated value</li> </ul>	232.5 A
<ul style="list-style-type: none"> <li>• at 60 °C / rated value</li> </ul>	232.5 A
<ul style="list-style-type: none"> <li>• at 65 °C / rated value</li> </ul>	215 A
<ul style="list-style-type: none"> <li>• at 70 °C / rated value</li> </ul>	215 A

### Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	1
Number of NO contacts / for auxiliary contacts	1

### Suitability

Suitability for use	system protection
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### Adjustable parameters

Adjustable pick-up value current / of the current-dependent overload release / initial value	200 A
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### Product details

<b>Product component</b>	
<ul style="list-style-type: none"> <li>• Trip indicator</li> </ul>	No
<ul style="list-style-type: none"> <li>• Auxiliary switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>• undervoltage release</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• undervoltage release with leading contact</li> </ul>	No
Product extension / optional / motor drive	Yes

### Product function

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• of thermal overload trip unit</li> </ul>	adjustable
<ul style="list-style-type: none"> <li>• Ground fault protection</li> </ul>	No
<ul style="list-style-type: none"> <li>• for neutral conductors / Short-circuit and overload proof</li> </ul>	No
<ul style="list-style-type: none"> <li>• Overload protection</li> </ul>	Yes

### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>	
<ul style="list-style-type: none"> <li>• at 240 V / rated value</li> </ul>	65 kA

<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	55 kA 20 kA 6 kA
<b>Maximum short-circuit current breaking capacity (Icu)</b> <ul style="list-style-type: none"> <li>• at 240 V / rated value</li> <li>• at 415 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 480 V / acc. to NEMA / rated value</li> <li>• at 500 V / rated value</li> <li>• at 600 V / acc. to NEMA / rated value</li> <li>• at 690 V / rated value</li> </ul>	65 kA 55 kA 25 kA 25 kA 25 kA 12 kA 12 kA

### Connections

Arrangement of electrical connectors / for main current circuit	front side
<b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• for main contacts / with flexible busbar</li> <li>• for main contacts / solid</li> <li>• for main contacts / finely stranded / with core end processing</li> <li>• for main contacts / stranded</li> <li>• for auxiliary contacts / solid</li> <li>• for auxiliary contacts / finely stranded / with core end processing</li> </ul>	17 x 10 mm 25 ... 185 mm <sup>2</sup> 25 ... 120 mm <sup>2</sup> 25 ... 185 mm <sup>2</sup> 0.75 ... 1.5 mm <sup>2</sup> 0,75 ... 1.0 mm <sup>2</sup>
Type of electrical connection / for main current circuit	screw-type terminals

### Mechanical Design




Height	185.5 mm
Width	104.5 mm
Depth	106.5 mm
Mounting type	fixed mounting

### Environmental conditions


<b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation / minimum</li> <li>• during operation / maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	0 °C 70 °C -40 °C 80 °C
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### Certificates

Certificate of suitability	IEC, standard switching capacity (N)
<b>Reference code</b> <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	Q

General Product Approval				EMC	Declaration of Conformity
 CCC	<a href="#">Miscellaneous</a>	<a href="#">TSE</a>	<a href="#">KC</a>	 C-Tick	 EG-Konf.

Test Certificates	Shipping Approval				
<a href="#">Special Test Certificate</a>	 ABS	 BUREAU VERITAS	 LRS	 PRS	 RINA

Shipping Approval	other		
 RMRS	<a href="#">Environmental Confirmations</a>	<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VL3725-1DC36-2HB1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-1DC36-2HB1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL3725-1DC36-2HB1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-1DC36-2HB1)

**CAX-Online-Generator**

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

**Tender specifications**

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