

circuit breaker VL250N standard breaking capacity  $I_{cu}=55kA$ , 415V AC 3-pole, line protection Electronic Trip Unit TM, LI  $I_n=250A$ , rated current  $I_R=200\dots250A$ , overload protection,  $I_l=1200\dots2500A$ , short-circuit protection Undervoltage release 220...250 V AC Auxiliary switch mounting kit 2 AUX (1 NO + 1 NC)

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
mechanical service life (switching cycles) / typical	20 000
electrical endurance (switching cycles) / typical	10 000
utilization category	A
performance class for circuit breaker	N
reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750	Q
operating frequency / maximum	120 1/s
Voltage	
Rated operational voltage $U_e$ / max.	690 V
<ul style="list-style-type: none"> <li>insulation voltage / rated value</li> <li>insulation voltage (<math>U_i</math>) / at AC / rated value</li> </ul>	800 V
surge voltage resistance / rated value	8 kV
operating voltage	
<ul style="list-style-type: none"> <li>rated value / maximum</li> <li>for main current circuit / at AC / at 50 Hz / maximum</li> <li>for main current circuit / at AC / at 60 Hz / maximum</li> <li>for main current circuit / at DC / maximum</li> </ul>	690 V 690 V 690 V 500 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LI
Current	
operational current	
<ul style="list-style-type: none"> <li>at 40 °C / rated value</li> <li>at 45 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> </ul>	250 A 250 A 250 A 232.5 A 232.5 A 215 A 215 A
continuous current / rated value	250 A
derating temperature / for the rated value of the continuous current	50 °C
adjustable current response value current	
<ul style="list-style-type: none"> <li>of the current-dependent overload release / full-scale value</li> <li>of instantaneous short-circuit trip unit / minimum</li> <li>of instantaneous short-circuit trip unit / maximum</li> </ul>	250 A 1 250 A 2 500 A
Main circuit	
operating frequency	
<ul style="list-style-type: none"> <li>1 / rated value</li> <li>2 / rated value</li> </ul>	50 Hz 60 Hz

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
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	200 A
Product details	
product component	
<ul style="list-style-type: none"> <li>• trip indicator</li> <li>• auxiliary switch</li> <li>• voltage trigger</li> <li>• undervoltage release</li> <li>• undervoltage release with leading contact</li> </ul>	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul>
product extension / optional / motor drive	Yes
Product function	
product function	
<ul style="list-style-type: none"> <li>• of thermal overload trip unit</li> <li>• grounding protection</li> <li>• for neutral conductors / short-circuit and overload proof</li> <li>• overload protection</li> </ul>	<ul style="list-style-type: none"> <li>adjustable</li> <li>No</li> <li>No</li> <li>Yes</li> </ul>
Short circuit	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> <li>• at 240 V / rated value</li> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	<ul style="list-style-type: none"> <li>65 kA</li> <li>55 kA</li> <li>20 kA</li> <li>6 kA</li> </ul>
breaking capacity maximum short-circuit current (Icu)	
<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 / according to NEMA / rated value</li> <li>• at 500 V / rated value</li> <li>• at 600 V / according to NEMA / rated value</li> <li>• at 690 V / rated value</li> </ul>	<ul style="list-style-type: none"> <li>65 kA</li> <li>55 kA</li> <li>25 kA</li> <li>25 kA</li> <li>25 kA</li> <li>12 kA</li> <li>12 kA</li> </ul>
Connections	
arrangement of electrical connectors / for main current circuit	front side
type of connectable conductor cross-sections / for main contacts	
<ul style="list-style-type: none"> <li>• with flexible busbar</li> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>	<ul style="list-style-type: none"> <li>17 x 10 mm</li> <li>25 ... 185 mm<sup>2</sup></li> <li>25 ... 120 mm<sup>2</sup></li> <li>25 ... 185 mm<sup>2</sup></li> </ul>
type of connectable conductor cross-sections / for auxiliary contacts	
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> </ul>	<ul style="list-style-type: none"> <li>0.75 ... 1.5 mm<sup>2</sup></li> <li>0,75 ... 1.0 mm<sup>2</sup></li> </ul>
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
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	0 °C

• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C

**General Product Approval**

[Confirmation](#)



[Miscellaneous](#)

[TSE](#)

[KC](#)



**EMC Declaration of Conformity Test Certificates Marine / Shipping**



[UK Declaration of Conformity](#)



[Special Test Certificate](#)



**Marine / Shipping other**



[Confirmation](#)

**other**

[Miscellaneous](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

**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>



