

circuit breaker VL250N standard breaking capacity $I_{cu}=55kA$, 415V AC 3-pole, non-auto. air circ. br. Electronic Trip Unit magnetic $I_n=250A$, rated current $I_l=3500A$, short-circuit protection without auxiliary release without auxiliary/alarm switch

Model	
type of the driving mechanism motor drive	No
design of the overcurrent release	M
General technical data	
number of poles	3
size of the circuit-breaker	3VL3
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating 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"> insulation voltage rated value insulation voltage (U_i) at AC rated value 	800 V
surge voltage resistance rated value	8 kV
operating voltage	
<ul style="list-style-type: none"> rated value maximum for main current circuit at AC at 50 Hz maximum for main current circuit at AC at 60 Hz maximum for main current circuit at DC maximum 	690 V 690 V 690 V 500 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	I
Current	
operational current	
<ul style="list-style-type: none"> at 40 °C rated value at 45 °C rated value at 50 °C rated value at 55 °C rated value at 60 °C rated value at 65 °C rated value at 70 °C rated value 	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"> of instantaneous short-circuit trip unit minimum of instantaneous short-circuit trip unit maximum 	3 500 A 3 500 A
Main circuit	
operating frequency	
<ul style="list-style-type: none"> 1 rated value 2 rated value 	50 Hz 60 Hz
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
Suitability	

suitability for use		non-automatic circuit-breakers	
Product details			
product component			
<ul style="list-style-type: none"> • trip indicator • auxiliary switch • voltage trigger • undervoltage release • undervoltage release with leading contact 		No	No
product extension optional motor drive		No	Yes
Product function			
product function			
<ul style="list-style-type: none"> • of thermal overload trip unit • grounding protection • for neutral conductors short-circuit and overload proof • overload protection 		without	No
Short circuit			
operating short-circuit current breaking capacity (Ics)			
<ul style="list-style-type: none"> • at 240 V rated value • at 415 V rated value • at 500 V rated value • at 690 V rated value 		65 kA	55 kA
maximum short-circuit current breaking capacity (Icu)			
<ul style="list-style-type: none"> • at 240 V rated value • at 415 V rated value • at 440 V rated value • at 480 V according to NEMA rated value • at 500 V rated value • at 600 V according to NEMA rated value • at 690 V rated value 		20 kA	6 kA
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"> • with flexible busbar • solid • finely stranded with core end processing • stranded 		17 x 10 mm	25 ... 185 mm ²
type of connectable conductor cross-sections for auxiliary contacts			
<ul style="list-style-type: none"> • solid • finely stranded with core end processing 		25 ... 120 mm ²	25 ... 185 mm ²
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"> • minimum • maximum 		0 °C	70 °C
ambient temperature during storage			
<ul style="list-style-type: none"> • minimum • maximum 		-40 °C	80 °C
General Product Approval			













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[Confirmation](#)

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EMC	Declaration of Conformity	Test Certificates	Marine / Shipping
 C-Tick		 EG-Konf.	Special Test Certificate  ABS  BUREAU VERITAS
Marine / Shipping			other
 LRS	 PRS	 RINA	 RMRS  DNV-GL Confirmation
other			

[Miscellaneous](#)
 [Environmental Confirmations](#)
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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?mfb=3VL3725-1DE36-0AA0>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-1DE36-0AA0>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VL3725-1DE36-0AA0
CAX-Online-Generator
<http://www.siemens.com/cax>
Tender specifications
<http://www.siemens.com/specifications>

