



Figure similar

circuit breaker VL250N without Electronic Trip Unit standard breaking capacity $I_{cu}=55\text{kA}/415\text{V AC}$, 3-pole $I_n \leq 250\text{A}$, rated current with screw terminal connections for switching unit and Electronic Trip Unit

Model	
type of the driving mechanism / motor drive	No
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 / 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_e / max.	690 V
insulation voltage	
• rated value	800 V
• at AC / rated value	800 V
surge voltage resistance / rated value	8 kV
operating voltage	
• rated value / maximum	690 V
• for main current circuit / at AC / at 50 Hz / maximum	690 V
• for main current circuit / at AC / at 60 Hz / maximum	690 V
Protection class	
protection class IP	IP20
Current	
continuous current / rated value	250 A
derating temperature / for the rated value of the continuous current	50 °C
• acc. to UL 489	40 °C
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °C / rated value	250 A
• at 50 °C / rated value	250 A
• at 55 °C / rated value	232.5 A

<ul style="list-style-type: none"> • at 60 °C / rated value • at 65 °C / rated value • at 70 °C / rated value 	232.5 A 215 A 215 A
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
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 No No No
product extension / optional / motor drive	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 No No
Short circuit	
breaking capacity operating short-circuit current (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 20 kA 6 kA
breaking capacity maximum short-circuit current (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 / acc. to NEMA / rated value • at 500 V / rated value • at 600 V / acc. to NEMA / rated value • at 690 V / rated value 	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
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 	-25 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 80 °C
Certificates	
certificate of suitability	IEC, standard switching capacity (N)
reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q
General Product Approval	
	EMC



[Miscellaneous](#)

[TSE](#)



Test Certificates

Marine / Shipping

[Special Test Certificate](#)



ABS



ABS



ABS



BUREAU VERITAS



PRS

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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?mlfb=3VL3725-1AA36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-1AA36-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-1AA36-0AA0

Tender specifications

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

