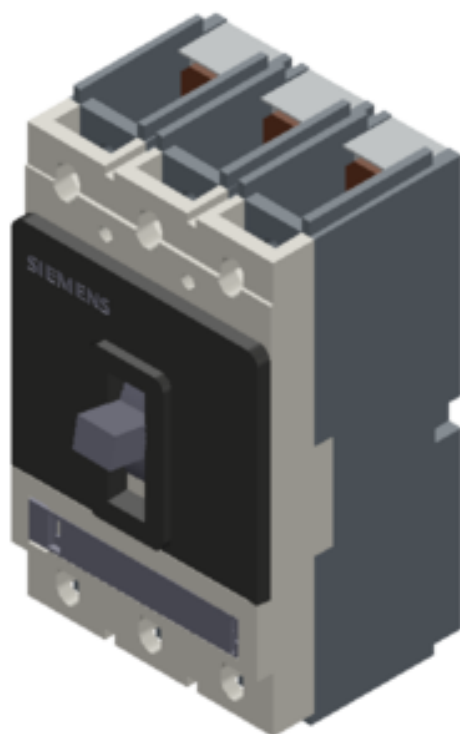




CIRCUIT-BREAKER VL 250H HIGH BREAKING
CAPACITY ICU=70KA / 415 V AC 3 POLE, LINE
PROTECTION OVERCURRENT RELEASE TM, LI
IN=250A, RATED CURRENT IR=200-250A,
OVERLOAD II=1200-2500A, SHORT-CIRCUIT

Model		
Type of the driving mechanism / motor drive		No
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
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
Operating frequency / maximum	1/s	120
Voltage		
Rated operational voltage U_e / max.	V	690
Insulation voltage		
• rated value	V	800
• at AC / rated value	V	800

Surge voltage resistance / rated value	kV	8
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LI
Electricity		
Continuous current / rated value	A	250
Derating temperature / for the rated value of the continuous current	°C	50
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	250
• of instantaneous short-circuit trip unit / initial value	A	1 250
• of instantaneous short-circuit trip unit / Full-scale value	A	2 500
Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• for main current circuit / at AC / at 50 Hz / maximum	V	690
• for main current circuit / at AC / at 60 Hz / maximum	V	690
• for main current circuit / at DC / maximum	V	500
Operating current		
• 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
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	200
Product details		
Product component		
• Trip indicator		No
• Auxiliary switch		No

• Voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
Product extension / optional / motor drive	Yes

Product function

Product function	
• of thermal overload trip unit	adjustable
• Ground fault protection	No
• for neutral conductors / Short-circuit and overload proof	No
• Overload protection	Yes

Short circuit

Operational short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	kA 75
• at 415 V / rated value	kA 70
• at 500 V / rated value	kA 30
• at 690 V / rated value	kA 6
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V / rated value	kA 100
• at 415 V / rated value	kA 70
• at 440 V / rated value	kA 50
• at 480 V / acc. to NEMA / rated value	kA 50
• at 500 V / rated value	kA 40
• at 600 V / acc. to NEMA / rated value	kA 12
• at 690 V / rated value	kA 12

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

Environmental conditions

Ambient temperature	
• during operation / minimum	°C 0
• during operation / maximum	°C 70
• during storage / minimum	°C -40

• during storage / maximum

°C 80

Certificates

Certificate of suitability		IEC, high switching capacity (H)
Equipment marking		
• acc. to DIN EN 61346-2		Q

General Product Approval

EMC



[sonstig](#)



[TSE](#)

[KTL](#)



Declaration of Conformity

Test Certificates

Shipping Approval



EG-Konf.

[spezielle
Prüfbescheinigung](#)
[n](#)



ABS



BUREAU
VERITAS



LRS



PRS

Shipping Approval

other



RINA



RMRS

[Bestätigungen](#)

[Umweltbestätigung](#)

[sonstig](#)

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/3VL3725-2DC36-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VL3725-2DC36-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-2DC36-0AA0

CAX-Online-Generator

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

Tender specifications

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