



CIRCUIT-BREAKER VL 250N STANDARD BREAKING
CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE
PROTECTION OVERCURRENT RELEASE TM, LI
IN=200A, RATED CURRENT IR=160-200A,
OVERLOAD II=1000-2000A, 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 Ue / 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	200
Derating temperature / for the rated value of the continuous current	°C	50
Adjustable response value current		

- of the current-dependent overload release / Full-scale value
- of the instantaneous short-circuit release / initial value
- of the instantaneous short-circuit release / Full-scale value

A	200
A	1 000
A	2 000

Main circuit

Operating frequency

- 1 / rated value
- 2 / rated value

Hz	50
Hz	60

Operating voltage

- 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

V	690
V	690
V	500

Operating current

- at 40 °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

A	200
A	200
A	186
A	186
A	172
A	172

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 response value current / of the current-dependent overload release / initial value

A	160
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Product details

Product component

- Trip indicator
- Auxiliary switch
- Voltage trigger
- undervoltage release
- undervoltage release with leading contact

No
Yes
No
No
No

Product expansion / optional / motor drive

Yes

Product function

Product function		
• of the thermal overload release		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	65
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	20
• at 690 V / rated value	kA	6
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / rated value	kA	65
• at 415 V / rated value	kA	55
• at 440 V / rated value	kA	25
• at 480 V / acc. to NEMA / rated value	kA	25
• at 500 V / rated value	kA	25
• 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 connectable conductor cross-sections		
• for main contacts		
— with flexible busbar		17 x 10 mm
— solid		25 ... 185 mm ²
— finely stranded / with core end processing		25 ... 120 mm ²
— stranded		25 ... 185 mm ²
• for auxiliary contacts		
— solid		0.75 ... 1.5 mm ²
— finely stranded / with core end processing		0,75 ... 1.0 mm ²
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		
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- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

°C	0
°C	70
°C	-40
°C	80

Certificates

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

General Product Approval

EMC



CCC

[sonstig](#)



[TSE](#)

[KTL](#)



C-TICK

Declaration of Conformity

Test Certificates

Shipping Approval



EG-Konf.

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[n](#)



ABS



DNV



GL

Shipping Approval

other



LRS



PRS



RINA



RMRS

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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/3VL37201DC360AB1>

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

<http://support.automation.siemens.com/WW/view/en/3VL37201DC360AB1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL37201DC360AB1

CAX-Online-Generator

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

Tender specifications

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

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