

CIRCUIT-BREAKER VL 250H WITHOUT
ELECTRONIC TRIP UNIT HIGH BREAKING
CAPACITY ICU= 70 KA / 415 V AC, 3-POLE IN= < 250
A, RATED CURRENT WITHOUT AUXILIARY
RELEASE WITH SCREW CONNECTIONS FOR
CONTACT UNIT AND OVERVOLTAGE RELEASE

Model		
Type of the driving mechanism / motor drive		No
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
Electricity		
Continuous current / rated value	A	250
Derating temperature / for the rated value of the continuous current	°C	50
• acc. to UL 489	°C	40
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
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
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		
• Trip indicator		No
• Auxiliary switch		No
• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product expansion / optional / motor drive		Yes
Product function		
Product function		
• of the thermal overload release		without
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No

- Overload protection

No

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	-25
• 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
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General Product Approval	EMC	Declaration of Conformity
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Shipping Approval	other
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[Bestätigungen](#)

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/3VL37252AA360AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VL37252AA360AA0/all>

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

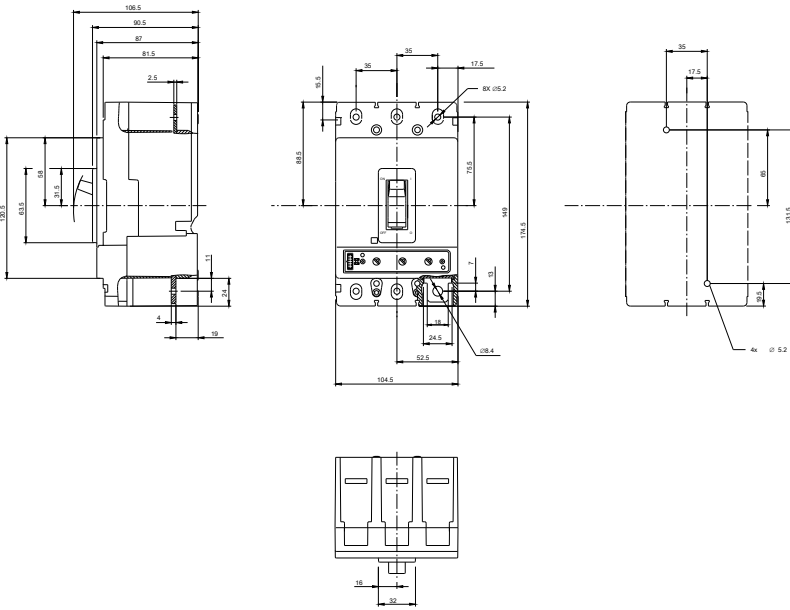
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VL37252AA360AA0

CAX-Online-Generator

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

Tender specifications

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



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