

CIRCUIT-BREAKER VL 400N WITHOUT ELECTRONIC TRIP UNIT STANDARD BREAKING CAPACITY ICU= 55KA / 415 V AC, 3-POLE IN= < 400 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		3VL4
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
• with AC / Rated value	V	800
Surge voltage resistance / Rated value	kV	8
Protection class		
Protection class IP		IP20
Electricity		
Continuous current / Rated value	A	400
Derating temperature / for the rated value of the continuous current	°C	50

- acc. to UL 489

°C	40
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Main circuit

Operating frequency		
• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
Operating voltage		
• for main current circuit / with AC / at 50 Hz / maximum	V	690
• for main current circuit / with AC / at 60 Hz / maximum	V	690
Operating current		
• at 40 °C / Rated value	A	400
• at 50 °C / Rated value	A	400
• at 55 °C / Rated value	A	372
• at 60 °C / Rated value	A	372
• at 65 °C / Rated value	A	344
• at 70 °C / Rated value	A	344

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	65
• at 415 V / Rated value	kA	55

• at 500 V / Rated value	kA	20
• at 690 V / Rated value	kA	8
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	35
• at 480 V / acc. to NEMA / Rated value	kA	35
• at 500 V / Rated value	kA	25
• at 600 V / acc. to NEMA / Rated value	kA	20
• at 690 V / Rated value	kA	15

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	279.5
Width	mm	139
Depth	mm	163.5
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, standard switching capacity (N)
Equipment marking / acc. to DIN EN 61346-2		Q

General Product Approval	EMC	Declaration of Conformity
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[other](#)



Test Certificates	Shipping Approval
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[Special Test Certificate](#)



Shipping Approval	other
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[Confirmation](#)

[Environmental Confirmations](#)

[other](#)

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/3VL47401AA360AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VL47401AA360AA0/all>

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

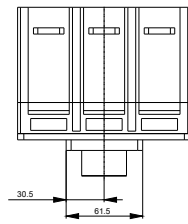
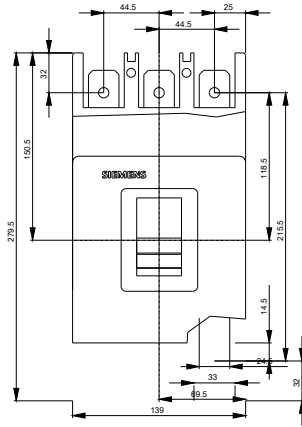
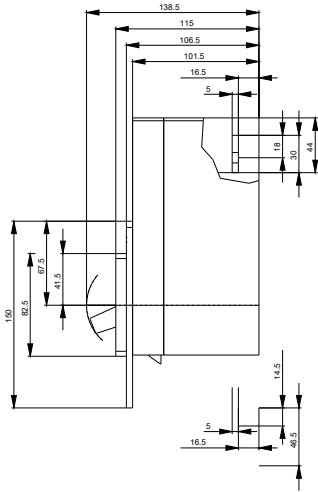
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL47401AA360AA0

CAX-Online-Generator

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

Tender specifications

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



last modified:

11.03.2015