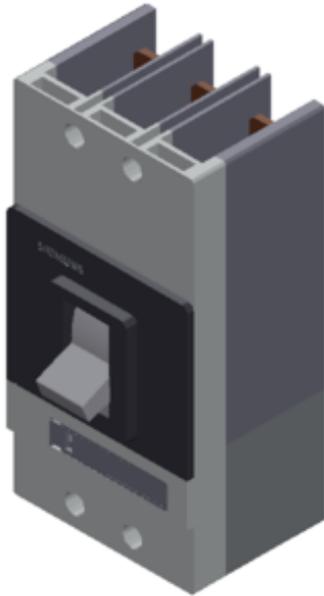


CIRCUIT-BREAKER VL 400H HIGH BREAKING CAPACITY
 ICU=70KA / 415 V AC 3 POLE, LINE PROTECTION
 OVERCURRENT RELEASE TM, LI IN=400A, RATED CURRENT
 IR=320-400A, OVERLOAD II=2000-4000A, SHORT CIRCUIT



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	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	120 1/s
Voltage	
Rated operational voltage Ue / max.	690 V
Insulation voltage	
• rated value	800 V
• at AC / rated value	800 V

Surge voltage resistance / rated value	8 kV
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Protection class

Protection class IP	IP20
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Protective function of the overcurrent release	LI
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Electricity

Continuous current / rated value	400 A
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Derating temperature / for the rated value of the continuous current	50 °C
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Adjustable pick-up value current	
<ul style="list-style-type: none"> • of the current-dependent overload release / Full-scale value 	400 A
<ul style="list-style-type: none"> • of instantaneous short-circuit trip unit / initial value 	2 000 A
<ul style="list-style-type: none"> • of instantaneous short-circuit trip unit / Full-scale value 	4 000 A

Main circuit

Operating frequency	
<ul style="list-style-type: none"> • 1 / rated value 	50 Hz
<ul style="list-style-type: none"> • 2 / rated value 	60 Hz

Operating voltage	
<ul style="list-style-type: none"> • for main current circuit / at AC / at 50 Hz / maximum 	690 V
<ul style="list-style-type: none"> • for main current circuit / at AC / at 60 Hz / maximum 	690 V
<ul style="list-style-type: none"> • for main current circuit / at DC / maximum 	500 V

Operating current	
<ul style="list-style-type: none"> • at 40 °C / rated value 	400 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	400 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	372 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	372 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	344 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	344 A

Suitability

Suitability for use	system protection
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Adjustable parameters

Adjustable pick-up value current / of the current-dependent overload release / initial value	320 A
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Product details

Product component	
<ul style="list-style-type: none"> • Trip indicator 	Yes
<ul style="list-style-type: none"> • Auxiliary switch 	Yes

• 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	75 kA
• at 415 V / rated value	70 kA
• at 500 V / rated value	30 kA
• at 690 V / rated value	8 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V / rated value	100 kA
• at 415 V / rated value	70 kA
• at 440 V / rated value	50 kA
• at 480 V / acc. to NEMA / rated value	50 kA
• at 500 V / rated value	40 kA
• at 600 V / acc. to NEMA / rated value	20 kA
• at 690 V / rated value	15 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	279.5 mm
Width	139 mm
Depth	163.5 mm
Mounting type	fixed mounting

Environmental conditions

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

• during storage / maximum

80 °C

Certificates

Certificate of suitability IEC, high switching capacity (H)

Equipment marking

• acc. to DIN EN 61346-2

Q

General Product Approval

EMC

Declaration of Conformity



CCC



CSA

[sonstig](#)

[KTL](#)



C-Tick



EG-Konf.

Test Certificates

Shipping Approval

[spezielle Prüfbescheinigungen](#)



LRS



PRS



RINA



RMRS

other

[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/3VL4740-2DC36-0AD1>

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

<http://support.automation.siemens.com/WW/view/en/3VL4740-2DC36-0AD1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4740-2DC36-0AD1

CAx-Online-Generator

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

Tender specifications

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