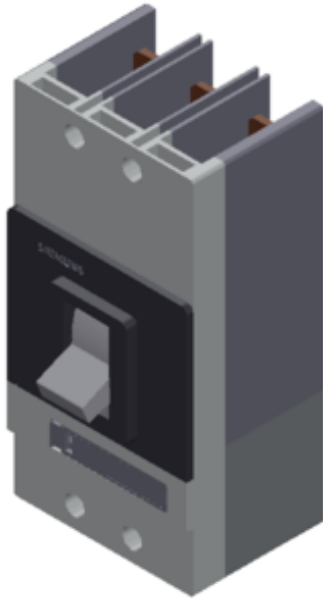


CIRCUIT-BREAKER VL 400H HIGH BREAKING CAPACITY
 ICU=70KA / 415 V AC 3 POLE, STARTER COMBINATION
 PROTECTION OVERCURRENT RELEASE MAGNETIC IN=315A,
 RATED CURRENT II=2000-4000A, SHORT-CIRCUIT



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	M
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 U _e / max.	690 V
Insulation voltage	
• rated value	800 V
• at AC / rated value	800 V

Surge voltage resistance / rated value	8 kV
--	------

Protection class

Protection class IP	IP20
----------------------------	------

Protective function of the overcurrent release	I
---	---

Electricity

Continuous current / rated value	315 A
----------------------------------	-------

Derating temperature / for the rated value of the continuous current	50 °C
--	-------

Adjustable pick-up value current	
<ul style="list-style-type: none"> • of instantaneous short-circuit trip unit / initial value 	2 205 A
<ul style="list-style-type: none"> • of instantaneous short-circuit trip unit / Full-scale value 	4 725 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 power / at AC-3	
<ul style="list-style-type: none"> • at 230 V / rated value 	57.9 kW
<ul style="list-style-type: none"> • at 400 V / rated value 	174.6 kW

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 	315 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	315 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	293 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	293 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	270.9 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	270.9 A

Suitability

Suitability for use	Starter protection
----------------------------	--------------------

Product details

Product component	
<ul style="list-style-type: none"> • Trip indicator 	No
<ul style="list-style-type: none"> • Auxiliary switch 	No
<ul style="list-style-type: none"> • Voltage trigger 	No
<ul style="list-style-type: none"> • undervoltage release 	No

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

Product function

Product function	
• of thermal overload trip unit	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	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	Q

- acc. to DIN EN 61346-2

General Product Approval	EMC	Declaration of Conformity
--------------------------	-----	---------------------------



[sonstig](#)

[KTL](#)



Test Certificates	Shipping Approval
-------------------	-------------------

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



other

[Umweltbestätigung](#) [Bestätigungen](#) [sonstig](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VL4731-2DK36-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VL4731-2DK36-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4731-2DK36-0AA0

CAX-Online-Generator

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

Tender specifications

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