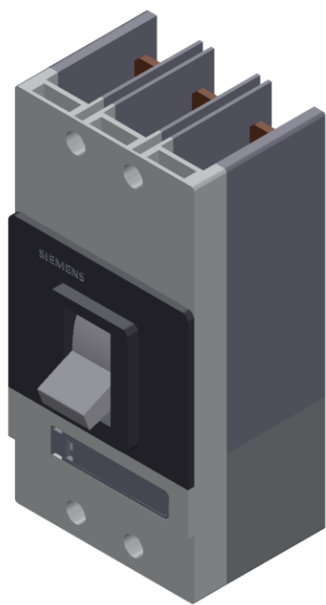


circuit breaker VL400 UL; type JG (cat no. HJX3R400) non-interchangeable frame, with circuit breaker approval acc. to UL 489 high breaking capacity 3-pole, NEMA rating 65kA/480V, (molded case circuit breaker) Electronic Trip Unit ETU, LI TA=40°C In=400A, rated current II=1.25 to 11xIN, short-circuit protection IR=150-400A ETU for line protection without connection accessories without auxiliary release Auxiliary switch mounting kit 2 AUX (1 NO + 1 NC)



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU545
General technical data	
Number of poles	3
Size of the circuit-breaker	3VL4 UL
Electrical endurance (switching cycles) / typical	10 000

Usage category	A
Performance class for circuit breaker	N
Mechanical service life (switching cycles) / typical	20 000
Reference code / 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
Operating voltage	
• rated value / maximum	690 V
• for main current circuit / at AC / at 50 Hz / acc. to UL 489 / maximum	600 V
• for main current circuit / at AC / at 50 Hz / maximum	690 V
• for main current circuit / at AC / at 60 Hz / acc. to UL 489 / maximum	600 V
• for main current circuit / at AC / at 60 Hz / maximum	690 V

Protection class

Protection class IP	IP20
protection function of the overcurrent release	LI

Current

Operating current / at 45 °C / rated value	380 A
Continuous current / rated value	400 A
Derating temperature / for the rated value of the continuous current	
• acc. to UL 489	40 °C

Main circuit

Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating current	
• at 40 °C / rated value	400 A
• at 50 °C / rated value	380 A
• at 55 °C / rated value	320 A
• at 60 °C / rated value	320 A

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
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Product details

Product component	
• Trip indicator	No
• 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 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 480 V / acc. to NEMA / rated value	65 kA
• at 600 V / acc. to NEMA / rated value	25 kA
• at 690 V / rated value	15 kA

Connections

Arrangement of electrical connectors / for main current circuit	front side
Type of connectable conductor cross-sections / for main contacts	
• with flexible busbar	32 x 10 mm
• solid	70 ... 300 mm ²
• stranded	70 ... 300 mm ²

Type of connectable conductor cross-sections / for auxiliary contacts	
• solid • finely stranded / with core end processing	0.75 ... 1.5 mm ² 0,75 ... 1.0 mm ²
Type of electrical connection / for main current circuit	without connection accessoires

Mechanical Design	
Height	279.5 mm
Width	139.5 mm
Depth	163.5 mm
Mounting type	fixed mounting

Environmental conditions	
Ambient temperature / during operation	
• minimum • maximum	-25 °C 70 °C
Ambient temperature / during storage	
• minimum • maximum	-40 °C 80 °C

Certificates	
Certificate of suitability	UL high switching capacity (H), non-interchangeable
Reference code	
• acc. to DIN EN 61346-2	Q

General Product Approval	EMC	Declaration of Conformity
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CCC



CSA

[Miscellaneous](#)

UL



C-Tick



EG-Konf.

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


RMRS

[Environmental Confirmations](#)
[Miscellaneous](#)
[Confirmation](#)
[Manufacturer Declaration](#)

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=3VL4140-2PB30-0AB1>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3VL4140-2PB30-0AB1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4140-2PB30-0AB1

CAX-Online-Generator

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

Tender specifications

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