

circuit breaker VL400 UL; type JG (cat no. LJX3B300) non-interchangeable frame, with circuit breaker approval acc. to UL 489 very high breaking capacity 3-pole, NEMA rating 100kA/480V, (molded case circuit breaker) Electronic Trip Unit TM, LI TA=40°C In=< 300A, rated current II=1500...3000A short-circuit protection IR=300A Electronic Trip Unit for line protection without connection accessories without auxiliary release without auxiliary/alarm switch

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 UL
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating cycles) typical	10 000
utilization category	A
performance class for circuit breaker	N
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	Q
operating frequency maximum	120 1/s
Voltage	
Rated operational voltage Ue max.	690 V
<ul style="list-style-type: none"> <li>insulation voltage rated value</li> <li>insulation voltage (Ui) at AC rated value</li> </ul>	800 V
surge voltage resistance rated value	8 kV
operating voltage <ul style="list-style-type: none"> <li>rated value maximum</li> <li>for main current circuit at AC at 50 Hz according to UL 489 maximum</li> <li>for main current circuit at AC at 50 Hz maximum</li> <li>for main current circuit at AC at 60 Hz according to UL 489 maximum</li> <li>for main current circuit at AC at 60 Hz maximum</li> </ul>	690 V 600 V 690 V 600 V 690 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LI
Main circuit	
operating frequency <ul style="list-style-type: none"> <li>1 rated value</li> <li>2 rated value</li> </ul>	50 Hz 60 Hz
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
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current of the current-dependent overload release initial value	300 A
Product details	
product component <ul style="list-style-type: none"> <li>trip indicator</li> <li>auxiliary switch</li> <li>voltage trigger</li> <li>undervoltage release</li> </ul>	No No No No

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

### Product function

product function	
• of thermal overload trip unit	fixed
• grounding protection	No
• for neutral conductors short-circuit and overload proof	No
• overload protection	Yes

### Short circuit

operating short-circuit current breaking capacity (Ics)	
• at 240 V rated value	150 kA
• at 415 V rated value	75 kA
• at 690 V rated value	8 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	200 kA
• at 415 V rated value	100 kA
• at 480 V according to NEMA rated value	100 kA
• at 600 V according 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 electrical connection for main current circuit	without connection accessories

### Mechanical Design

height	279.5 mm
width	139.5 mm
depth	163.5 mm
fastening method	fixed mounting

### Environmental conditions

ambient temperature during operation	
• minimum	0 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	80 °C

### Approvals Certificates

General Product Approval	Marine / Shipping
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### other

[Confirmation](#)

[Miscellaneous](#)

### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 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=3VL4130-3KN30-0AA0>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3VL4130-3KN30-0AA0>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL4130-3KN30-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4130-3KN30-0AA0)  
 CAx-Online-Generator  
<http://www.siemens.com/cax>  
 Tender specifications

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