

circuit breaker VL400 UL; type JG (cat no. HJS3S400) non-interchangeable frame, with circuit breaker approval acc. to UL 489 high breaking capacity 3-pole, NEMA rating 65kA/480V, (molded case switch) Electronic Trip Unit magnetic TA=40°C In=< 400A, rated current I=4400A short-circuit protection non-auto. air circuit breaker without connection accessories without auxiliary release without auxiliary/alarm switch



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 UL
mechanical service life (switching cycles) / typical	20 000
electrical endurance (switching cycles) / typical	10 000
utilization category	A
performance class for circuit breaker	N
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 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 / acc. 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 / acc. to UL 489 / maximum</li> <li>for main current circuit / at AC / at 60 Hz / maximum</li> <li>for main current circuit / at DC / acc. to UL 489 / maximum</li> </ul>	690 V 600 V 690 V 600 V 690 V 500 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	I
Current	
continuous current / rated value	400 A
derating temperature / for the rated value of the continuous current	
<ul style="list-style-type: none"> <li>acc. to UL 489</li> </ul>	40 °C
adjustable current response value current	
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / minimum</li> <li>of instantaneous short-circuit trip unit / maximum</li> </ul>	4 400 A 4 400 A
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	non-automatic circuit-breakers
Product details	
product component	
<ul style="list-style-type: none"> <li>• trip indicator</li> </ul>	No
<ul style="list-style-type: none"> <li>• auxiliary switch</li> </ul>	No
<ul style="list-style-type: none"> <li>• voltage trigger</li> </ul>	No
<ul style="list-style-type: none"> <li>• undervoltage release</li> </ul>	No
<ul style="list-style-type: none"> <li>• undervoltage release with leading contact</li> </ul>	No
product extension / optional / motor drive	Yes
Product function	
product function	
<ul style="list-style-type: none"> <li>• of thermal overload trip unit</li> </ul>	without
<ul style="list-style-type: none"> <li>• grounding protection</li> </ul>	No
<ul style="list-style-type: none"> <li>• for neutral conductors / short-circuit and overload proof</li> </ul>	No
<ul style="list-style-type: none"> <li>• overload protection</li> </ul>	No
Short circuit	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> <li>• at 240 V / rated value</li> </ul>	75 kA
<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> </ul>	70 kA
<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	8 kA
breaking capacity maximum short-circuit current (Icu)	
<ul style="list-style-type: none"> <li>• at 240 V / rated value</li> </ul>	100 kA
<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> </ul>	70 kA
<ul style="list-style-type: none"> <li>• at 480 V / acc. to NEMA / rated value</li> </ul>	65 kA
<ul style="list-style-type: none"> <li>• at 600 V / acc. to NEMA / rated value</li> </ul>	25 kA
<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	15 kA
Connections	
arrangement of electrical connectors / for main current circuit	front side
type of connectable conductor cross-sections / for main contacts	
<ul style="list-style-type: none"> <li>• with flexible busbar</li> </ul>	32 x 10 mm
<ul style="list-style-type: none"> <li>• solid</li> </ul>	70 ... 300 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• stranded</li> </ul>	70 ... 300 mm <sup>2</sup>
type of connectable conductor cross-sections / for auxiliary contacts	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	0.75 ... 1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded / with core end processing</li> </ul>	0,75 ... 1.0 mm <sup>2</sup>
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
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	0 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	80 °C
General Product Approval	
	EMC



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping	other		
 EG-Konf.	<a href="#">Special Test Certificate</a>	 RMRS	<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>	<a href="#">Environmental Confirmations</a>

#### 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=3VL4140-2KE30-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL4140-2KE30-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL4140-2KE30-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4140-2KE30-0AA0)

CAX-Online-Generator

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

Tender specifications

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



