

circuit breaker VL630N standard breaking capacity Icu=55kA, 415V AC 4-pole, line protection trip unit TM, LI In=400A, rated current IR=315...400A, overload protection, II=2000...4000A, short-circuit protection N unprotected without auxiliary release Auxiliary switch mounting kit 4 AUX (2 NO + 2 NC)

Model	
type of the driving mechanism / motor drive	No
design of the overcurrent release	TM
General technical data	
number of poles	4
size of the circuit-breaker	3VL5
mechanical service life (switching cycles) / typical	10 000
electrical endurance (switching cycles) / typical	5 000
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	60 1/s
Voltage	
Rated operational voltage Ue / max.	690 V
- insulation voltage / rated value - insulation voltage (Ui) / at AC / rated value	800 V
surge voltage resistance / rated value	8 kV
operating voltage	
- rated value / maximum - for main current circuit / at AC / at 50 Hz / maximum - 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	
operational current	
- at 40 °C / rated value - at 45 °C / rated value - at 50 °C / rated value - at 55 °C / rated value - at 60 °C / rated value - at 65 °C / rated value - at 70 °C / rated value	400 A
continuous current / rated value	400 A
derating temperature / for the rated value of the continuous current	50 °C
adjustable current response value current	
- of the current-dependent overload release / full-scale value - of instantaneous short-circuit trip unit / minimum - of instantaneous short-circuit trip unit / maximum	400 A
Main circuit	
operating frequency	
1 / rated value 2 / rated value	50 Hz
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0



[Miscellaneous](#)

[TSE](#)



Test Certificates

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Marine / Shipping

other



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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=3VL5740-1EJ46-0AC1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL5740-1EJ46-0AC1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL5740-1EJ46-0AC1

CAX-Online-Generator

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

Tender specifications

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



