

circuit breaker VL630N standard breaking capacity I_{cu}=55kA, 415V AC 4-pole, line protection trip unit ETU20, LSI I_n=630A, rated current IR=252...630A, overload protection, ISD=1.5 to 9xIR, II=10xIN short-circuit protection N unprotected Undervoltage release 380...415 V AC Auxiliary/alarm switch mounting kit 2 AUX (1 NO+1 NC)+1 AS (1 NO)

Model	
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU20
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 U _e / max.	690 V
- insulation voltage / rated value - insulation voltage (U_i) / 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
690 V	
690 V	
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LSI
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	630 A
	630 A
	630 A
	598.5 A
	598.5 A
	504 A
	504 A
continuous current / rated value	630 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	630 A
	6 300 A
	6 300 A
Main circuit	
operating frequency	
1 / rated value 2 / rated value	50 Hz
	60 Hz
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0

[Miscellaneous](#)



[TSE](#)



Test Certificates

Marine / Shipping

other

[Special Test Certificate](#)



[Environmental Confirmations](#)

[Confirmation](#)

other

[Miscellaneous](#)

[Miscellaneous](#)

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=3VL5763-1TE46-2JE1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL5763-1TE46-2JE1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL5763-1TE46-2JE1

CAX-Online-Generator

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

Tender specifications

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



