

circuit breaker VL630N standard breaking capacity $I_{cu}=55kA$, 415V AC 4-pole, line protection trip unit ETU10, LIN $I_n=630A$, rated current $I_R=252\ldots630A$, overload protection, $I_L=1.25$ to $10 \times I_N$, short-circuit protection N protected without auxiliary release without auxiliary/alarm switch

Model	
type of the driving mechanism motor drive	No
design of the overcurrent release	ETU10
General technical data	
number of poles	4
size of the circuit-breaker	3VL5
mechanical service life (operating cycles) typical	10 000
electrical endurance (operating cycles) typical	5 000
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	60 1/s
Voltage	
Rated operational voltage U_e max.	690 V
<ul style="list-style-type: none"> insulation voltage rated value insulation voltage (U_i) at AC rated value 	800 V
surge voltage resistance rated value	8 kV
operating voltage <ul style="list-style-type: none"> 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	LIN
Main circuit	
operating frequency <ul style="list-style-type: none"> 1 rated value 2 rated value 	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	252 A
Product details	
product component <ul style="list-style-type: none"> trip indicator auxiliary switch voltage trigger undervoltage release undervoltage release with leading contact 	No
	No
	No
	No
	No
product extension optional motor drive	Yes
Product function	
product function <ul style="list-style-type: none"> of thermal overload trip unit 	adjustable

<ul style="list-style-type: none"> • grounding protection • for neutral conductors short-circuit and overload proof • overload protection 	No Yes Yes
Short circuit	
operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> • at 240 V rated value • at 415 V rated value • at 500 V rated value • at 690 V rated value 	65 kA 55 kA 20 kA 10 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> • at 240 V rated value • at 415 V rated value • at 440 V rated value • at 480 V according to NEMA rated value • at 500 V rated value • at 600 V according to NEMA rated value • at 690 V rated value 	65 kA 55 kA 35 kA 25 kA 25 kA 20 kA 20 kA
Connections	
arrangement of electrical connectors for main current circuit	front side
type of connectable conductor cross-sections for auxiliary contacts	
<ul style="list-style-type: none"> • 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	screw-type terminals
Mechanical Design	
height	279.5 mm
width	253.5 mm
depth	138.5 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature during operation	
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 70 °C
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 80 °C
Approvals Certificates	
General Product Approval	
Confirmation     	
General Product Approval	
 Miscellaneous  Miscellaneous  Special Test Certificate	
Marine / Shipping	
     Miscellaneous	
other	Railway
Environment	

[Confirmation](#)

[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

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=3VL5763-1TA46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL5763-1TA46-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL5763-1TA46-0AA0

CAX-Online-Generator

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

Tender specifications

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

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