Data sheet

3VL5763-1DC36-0AA0

circuit breaker VL630N standard breaking capacity Icu=55kA, 415V AC 3-pole, line protection trip unit TM, LI In=630A, rated current IR=500...630A, overload protection, II=3250...6500A, short-circuit protection without auxiliary release without auxiliary/alarm switch

ype of the driving mechanism motor drive design of the overcurrent release TM General technical data number of poles 3 3 size of the circuial-breaker 3VLS mechanical service (file (operating cycles) typical 10 000 electrical endurance (operating cycles) typical 5 5000 utilitzation category A performance class for circuit breaker N nerference code according to Init A0719 extended according to ICC 2042 according to ICC 750 operating frequency maximum 60 1/s Voltage Rated operational voltage Umax. 600 1/s - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - insulation voltage (Umax) AC rated value 800 V - rated value maximum 600 V - or main current circuit at AC at 50 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or main current circuit at AC at 60 Hz maximum 600 V - or	Model	
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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 • for main current circuit at AC at 60 Hz maximum • for main current circuit at AC at 60 Hz maximum • for main current circuit at AC at 60 Hz maximum • for main current circuit at AC at 60 Hz maximum • good v Protection class protection function of the overcurrent release LI Main circuit operating frequency • 1 rated value • 2 rated value • 2 rated value • 2 rated value • 30 Hz • 2 rated value • 30 Hz • 2 rated value • 10 Hz • 2 rated value • 10 Hz • 2 rated value • 10 Hz • 2 rated value • 30 Hz • 2 rated value • 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 suitability for use system protection Adjustable parametere adjustable current response value current of the current-dependent overload release initial value Product details product component • trip indicator • auxiliary switch • voltage trigger • undervoltage release • No • undervoltage release • No • undervoltage release • No • undervoltage release with leading contact No product function product function	• insulation voltage (Ui) at AC rated value	800 V
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• 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 protection function of the overcurrent release LI Main circuit operating frequency • 1 rated value • 2 rated value • 1 rated value • 2 rated value • 1 rated value • 2 rated value • 1 Co contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Suttability suitability suitability for use Adjustable parameters adjustable current response value current of the current-dependent overload release initial value Product details product component • trip indicator • auxiliary switch • voltage trigger • undervoltage release • undervoltage release with leading contact No product dexnession optional motor drive Product function Product function	operating voltage	
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voltage trigger undervoltage release undervoltage release with leading contact voltage release voltage	• trip indicator	No
undervoltage release undervoltage release with leading contact product extension optional motor drive Product function product function	auxiliary switch	No
undervoltage release with leading contact product extension optional motor drive Yes Product function product function	 voltage trigger 	No
product extension optional motor drive Product function product function	undervoltage release	No
Product function product function	undervoltage release with leading contact	No
product function		Yes
	Product function	
	 of thermal overload trip unit 	adjustable

• grounding protection	No
 grounding protection for neutral conductors short-circuit and overload proof 	No
overload protection	Yes
Short circuit	165
operating short-circuit current breaking capacity (Ics)	OE LA
at 240 V rated value	65 kA
at 415 V rated value	55 kA
• at 500 V rated value	20 kA
at 690 V rated value	10 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	65 kA
• at 415 V rated value	55 kA
at 440 V rated value	35 kA
 at 480 V according to NEMA rated value 	25 kA
 at 500 V rated value 	25 kA
 at 600 V according to NEMA rated value 	20 kA
at 690 V rated value	20 kA
Connections	
arrangement of electrical connectors for main current circuit	front side
type of connectable conductor cross-sections for auxiliary contacts	
• solid	0.75 1.5 mm ²
finely stranded with core end processing	0,75 1.0 mm ²
type of electrical connection for main current circuit	screw-type terminals
Mechanical Design	
height	279.5 mm
width	190 mm
depth	138.5 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

Confirmation

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Functional Saftey

Test Certificates other Environment

Type Test Certificates/Test Report Confirmation

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=3VL5763-1DC36-0AA0

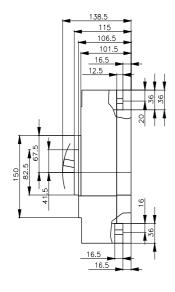
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

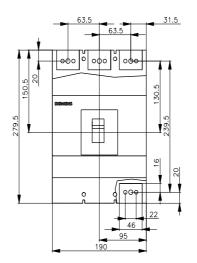
https://support.industry.siemens.com/cs/ww/en/ps/3VL5763-1DC36-0AA0

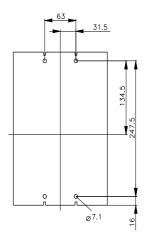
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

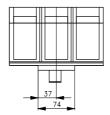
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CAx-Online-Generator









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