

circuit breaker VL250 UL type FG (cat no. LFR3S250) non-interchangeable frame, with circuit breaker approval acc. to UL 489 very high breaking capacity 3-pole; NEMA rating 100KA@480V and 18KA@600/347V (molded case switch) Electronic Trip Unit magnetic TA=40°C In=250A, rated current I_n=3500A 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	3VL3 UL
mechanical service life (operating cycles) typical	20 000
electrical endurance (operating cycles) typical	10 000
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	120 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 according to UL 489 maximum for main current circuit at AC at 50 Hz maximum for main current circuit at AC at 60 Hz according to UL 489 maximum for main current circuit at AC at 60 Hz maximum for main current circuit at DC according to UL 489 maximum 	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
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	non-automatic circuit-breakers
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 	without
<ul style="list-style-type: none"> grounding protection 	No
<ul style="list-style-type: none"> for neutral conductors short-circuit and overload proof 	No
<ul style="list-style-type: none"> overload protection 	No
Short circuit	
operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> at 240 V rated value 	150 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> at 240 V rated value 	200 kA
<ul style="list-style-type: none"> at 480 V according to NEMA rated value 	100 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"> with flexible busbar 	24 x 7 mm
<ul style="list-style-type: none"> solid 	35 ... 120 mm ²
<ul style="list-style-type: none"> stranded 	35 ... 120 mm ²
type of connectable conductor cross-sections for auxiliary contacts	
<ul style="list-style-type: none"> solid 	0.75 ... 1.5 mm ²
<ul style="list-style-type: none"> finely stranded with core end processing 	0,75 ... 1.0 mm ²
type of electrical connection for main current circuit	without connection accessoires
Mechanical Design	
height	185.5 mm
width	104.5 mm
depth	106.5 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature during operation	
<ul style="list-style-type: none"> minimum 	0 °C
<ul style="list-style-type: none"> maximum 	70 °C
ambient temperature during storage	
<ul style="list-style-type: none"> minimum 	-40 °C
<ul style="list-style-type: none"> maximum 	80 °C
Approvals Certificates	
General Product Approval	

[Confirmation](#)



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other

Environment

[Miscellaneous](#)

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firmations](#)

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firmations](#)

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=3VL3525-3KE30-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3525-3KE30-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3525-3KE30-0AA0

CAX-Online-Generator

last modified:

6/17/2023 

