

CIRCUIT-BREAKER VL 250 UL TYPE FG (CAT NO. LFK3G150) NON-INTERCHANGEABLE FRAME W. APPROBATION CIRCUIT-BREAKER ACC. UL489 VERY HIGH SWITCHING CAPACITY 3-POLE, NEMA RATING 100KA@480V AND 18KA@600/347V (MOLDED CASE CIRCUIT BREAKER) OVERCURRENT RELEASE LCD ETU, LSIG TU= 40 DEGR. CELSIUS 3 PHASES/4 CABLES IN=150A, RATED CURRENT ISD=1,25-10 X IR, II=11X IN SHORT-CIRCUIT PROTECTION IR=60-150A OVERCURRENT REL. F. PLANT PROTECTION W/O CONNECTION ACCESSORIES

Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	LCD ETU576
General technical data	
Number of poles	3
Size of the circuit-breaker	3VL3 UL
Electrical endurance (switching cycles) / typical	10 000
Usage category	A
Performance class for circuit breaker	N
Mechanical service life (switching cycles) / typical	20 000
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	Q
Operating frequency / maximum	120 1/s
Voltage	
Rated operational voltage Ue / max.	690 V
Insulation voltage	
• rated value	800 V
• at AC / rated value	800 V
Surge voltage resistance / rated value	8 kV
Protection class	
Protection class IP	IP20
Protective function of the overcurrent release	LSIG
Electricity	
Operating current / at 45 °C / rated value	142.5 A
Continuous current / rated value	150 A
Derating temperature / for the rated value of the continuous current	50 °C
• acc. to UL 489	40 °C

Main circuit	
Operating frequency	
<ul style="list-style-type: none"> • 1 / rated value • 2 / rated value 	50 Hz 60 Hz
Operating voltage	
<ul style="list-style-type: none"> • rated value / maximum • for main current circuit / at AC / at 50 Hz / acc. to UL 489 / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / acc. to UL 489 / maximum • for main current circuit / at AC / at 60 Hz / maximum 	690 V 600 V 690 V 600 V 690 V
Operating current	
<ul style="list-style-type: none"> • at 40 °C / rated value • at 50 °C / rated value • at 55 °C / rated value • at 60 °C / rated value 	150 A 142.5 A 120 A 120 A

Suitability	
Suitability for use	system protection

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 • Ground fault protection • for neutral conductors / Short-circuit and overload proof • Overload protection 	adjustable Yes No Yes

Short circuit	
Operational 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)	

- at 240 V / rated value 200 kA
- at 480 V / acc. to NEMA / rated value 100 kA

Connections

Arrangement of electrical connectors / for main current circuit	front side
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
Mounting type	fixed mounting

Environmental conditions

Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

Certificates

Certificate of suitability	UL very high switching capacity (L), non-interchangeable
Equipment marking	Q
• acc. to DIN EN 61346-2	

General Product Approval

EMC

Declaration of Conformity



Miscellaneous



Test Certificates

Shipping Approval

other

[Special Test Certificate](#)



[Miscellaneous](#)

[Environmental Confirmations](#)

[Confirmation](#)

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=3VL3515-3VM30-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3515-3VM30-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3515-3VM30-0AA0

CAX-Online-Generator

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

Tender specifications

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