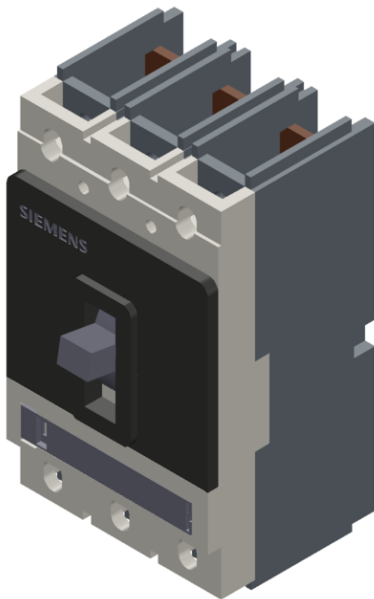


circuit breaker VL250 UL type FG (cat no. HFK3R150) non-interchangeable frame, with circuit breaker approval acc. to UL 489 high breaking capacity 3-pole; NEMA rating 65KA@480V and 18KA@600/347V (molded case circuit breaker) Electronic Trip Unit ETU, LI TA=40°C In=150A, rated current II=1.25-11 xIN, short-circuit protection IR=60-150A Electronic Trip Unit for line protection without connection accessories Auxiliary switch mounting kit 2 AUX (1 NO + 1 NC)



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU545
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
Reference code / 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 $U_e$ / max.	690 V
Insulation voltage / rated value	800 V
Surge voltage resistance / rated value	8 kV
Operating voltage	
<ul style="list-style-type: none"> <li>rated value / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 50 Hz / acc. to UL 489 / maximum</li> </ul>	600 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 50 Hz / maximum</li> </ul>	690 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 60 Hz / acc. to UL 489 / maximum</li> </ul>	600 V
<ul style="list-style-type: none"> <li>for main current circuit / at AC / at 60 Hz / maximum</li> </ul>	690 V

### Protection class

Protection class IP	IP20
Protective function of the overcurrent release	LI

### Current

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
<ul style="list-style-type: none"> <li>acc. to UL 489</li> </ul>	40 °C

### Main circuit

Operating frequency	
<ul style="list-style-type: none"> <li>1 / rated value</li> </ul>	50 Hz
<ul style="list-style-type: none"> <li>2 / rated value</li> </ul>	60 Hz
Operating current	
<ul style="list-style-type: none"> <li>at 40 °C / rated value</li> </ul>	150 A
<ul style="list-style-type: none"> <li>at 50 °C / rated value</li> </ul>	142.5 A
<ul style="list-style-type: none"> <li>at 55 °C / rated value</li> </ul>	120 A
<ul style="list-style-type: none"> <li>at 60 °C / rated value</li> </ul>	120 A

### Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	1

Number of NO contacts / for auxiliary contacts	1
<b>Suitability</b>	
Suitability for use	system protection
<b>Product details</b>	
Product component	
• Trip indicator	No
• Auxiliary switch	Yes
• Voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
Product extension / optional / motor drive	Yes
<b>Product function</b>	
Product function	
• of thermal overload trip unit	adjustable
• Ground fault protection	No
• for neutral conductors / Short-circuit and overload proof	No
• Overload protection	Yes
<b>Short circuit</b>	
Operational short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	75 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V / rated value	100 kA
• at 480 V / acc. to NEMA / rated value	65 kA
<b>Connections</b>	
Arrangement of electrical connectors / for main current circuit	front side
Type of electrical connection / for main current circuit	without connection accessoires
<b>Mechanical Design</b>	
Height	185.5 mm
Width	104.5 mm
Depth	106.5 mm
Mounting type	fixed mounting
<b>Certificates</b>	
Certificate of suitability	UL high switching capacity (H), non-interchangeable
Reference code	
• acc. to DIN EN 61346-2	Q

General Product Approval	EMC	Declaration of Conformity
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CCC



CSA

[Miscellaneous](#)



UL



C-Tick



EG-Konf.

Test Certificates	Shipping Approval	other			
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[Special Test Certificate](#)



RMRS

[Miscellaneous](#)

[Environmental Confirmations](#)

[Confirmation](#)

[Manufacturer Declaration](#)

## 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=3VL3515-2PB30-0AB1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3515-2PB30-0AB1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL3515-2PB30-0AB1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3515-2PB30-0AB1)

### CAX-Online-Generator

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

### Tender specifications

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