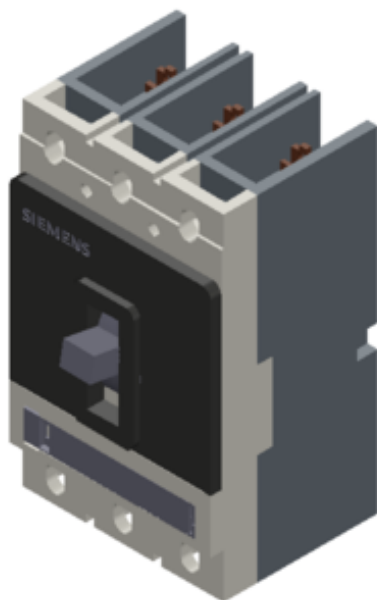




CIRCUIT-BREAKER VL 150 UL TYPE DG (CAT NO. HDK3B060)
NON-INTERCHANGEABLE FRAME W. APPROBATION CIRCUIT-
BREAKER ACC. UL489 HIGH BREAKING CAPACITY 3-POLE,
NEMA RATING 65KA@480V AND 18KA@600/347V (MOLDED
CASE CIRCUIT BREAKER) OVERCURRENT RELEASE TM, LI TU=
40 DEGR. CELSIUS IN=60A, RATED CURRENT II= 450...700A
SHORT-CIRCUIT PROTECTION IR= 60A OVERCURRENT
RELEASE F. PLANT PROTECTION W/O CONNECTION
ACCESSORIES

Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	TM
General technical data	
Number of poles	3
Size of the circuit-breaker	3VL2 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	LI
Electricity	
Continuous current / rated value	60 A
Derating temperature / for the rated value of the continuous current	50 °C
• acc. to UL 489	40 °C
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	60 A
• of instantaneous short-circuit trip unit / initial value	450 A
• of instantaneous short-circuit trip unit / Full-scale value	700 A
Main circuit	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• for main current circuit / at AC / at 50 Hz / acc. to UL 489 / maximum	600 V
• for main current circuit / at AC / at 50 Hz / maximum	690 V
• for main current circuit / at AC / at 60 Hz / acc. to UL 489 / maximum	600 V
• for main current circuit / at AC / at 60 Hz / maximum	690 V
Operating current	
• at 40 °C / rated value	60 A
• at 50 °C / rated value	55.8 A
• at 55 °C / rated value	51.6 A
• at 60 °C / rated value	51.6 A
Suitability	
Suitability for use	system protection
Adjustable parameters	
Adjustable pick-up value current / of the current-dependent overload release / initial value	60 A
Product details	
Product component	

• Trip indicator	No
• Auxiliary switch	No
• Voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
Product extension / optional / motor drive	Yes

Product function

Product function	
• of thermal overload trip unit	fixed
• Ground fault protection	No
• for neutral conductors / Short-circuit and overload proof	No
• Overload protection	Yes

Short circuit

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

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	174.5 mm
Width	104.5 mm
Depth	106.5 mm
Mounting type	fixed mounting

Environmental conditions

Ambient temperature	
• during operation / minimum	0 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

Certificates

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

General Product Approval			EMC	Declaration of Conformity	
 CCC	 CSA	Miscellaneous	 UL	 C-Tick	 EG-Konf.

Test Certificates	Shipping Approval	other			
Special Test Certificate	 RMRS	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=3VL2506-2KN30-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL2506-2KN30-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2506-2KN30-0AA0

CAX-Online-Generator

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

Tender specifications

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