

circuit breaker VL150 UL type DG (cat no. LDK3R060) 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 circuit breaker) Electronic Trip Unit ETU, LI TA=40°C In=60A, rated current II=1.25-11 xIn, short-circuit protection Ir=30-60A Electronic Trip Unit for line protection without connection accessories without auxiliary/alarm switch

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	3VL2 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 Ue max.	690 V
- insulation voltage rated value - insulation voltage (Ui) at AC rated value	800 V
surge voltage resistance rated value	8 kV
operating voltage - 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	690 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LI
Main circuit	
operating frequency 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	system protection
Product details	
product component - 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	
• of thermal overload trip unit	adjustable
• grounding protection	No
• for neutral conductors short-circuit and overload proof	No
• overload protection	Yes
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 240 V rated value	150 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	200 kA
• at 480 V according 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	174.5 mm
width	104.5 mm
depth	106.5 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	80 °C
Approvals Certificates	
General Product Approval	



[Confirmation](#)



Test Certificates	Marine / Shipping	other	Dangerous Good		
Special Test Certificate		Miscellaneous	Confirmation	Miscellaneous	Transport Information

Environment

[Environmental Confirmations](#)

[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=3VL2506-3PB30-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL2506-3PB30-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2506-3PB30-0AA0

CAX-Online-Generator

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

Tender specifications

last modified:

10/18/2022 

