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Data sheet   **3VL2506-2PE33-0AA0**

circuit breaker VL150 UL type DG (cat no. HDK3T060L) 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, LSI TA=40°C In=60A, rated current ISD=1.5-10xIR, II=11xIN short-circuit protection Ir=30-60A Electronic Trip Unit for line protection with terminals feeder and load-side (line and load)

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 (switching cycles) / typical	20 000
electrical endurance (switching cycles) / typical	10 000
utilization category	A
performance class for circuit breaker	N
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 Ue / max.	690 V
insulation voltage	
● rated value	800 V
● at AC / rated value	800 V
surge voltage resistance / rated value	8 kV
operating voltage	
● rated value / maximum	690 V
● 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
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LSI
Current	
continuous current / rated value	60 A
derating temperature / for the rated value of the continuous current	50 °C
● acc. to UL 489	40 °C
Main circuit	
operating frequency	
● 1 / rated value	50 Hz
● 2 / rated value	60 Hz
operational 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
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/generator protection
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	adjustable
● grounding protection	No
● for neutral conductors / short-circuit and overload proof	No
● overload protection	Yes
Short circuit	
breaking capacity operating short-circuit current (Ics)	
● at 240 V / rated value	75 kA
breaking capacity maximum short-circuit current (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	box terminal
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
Certificates	
certificate of suitability	UL high switching capacity (H), non-interchangeable
reference code	
● acc. to DIN EN 61346-2	Q
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=3VL2506-2PE33-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VL2506-2PE33-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2506-2PE33-0AA0

Tender specifications
http://www.siemens.com/specifications

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12.23.2020