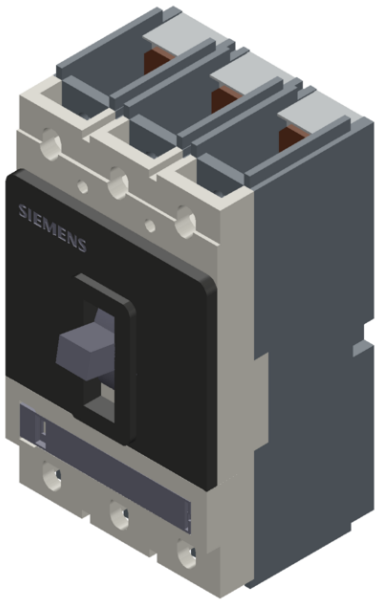
SIEMENS

Data sheet 3VL3725-2SG36-0AA0

circuit breaker VL250H high breaking capacity Icu=70kA, 415V AC 3-pole, line protection Electronic Trip Unit ETU22, LSIG 3 phases/3 lines In=250A, rated current IR=100...250A, overload protection, ISD=1.5 to 10xIR, II=11xIN short-circuit protection without auxiliary release without auxiliary/alarm switch



Model	
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU22

General technical data	
number of poles	3
size of the circuit-breaker	3VL3
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 / maximum	690 V
• for main current circuit / at AC / at 60 Hz / maximum	690 V
• for main current circuit / at DC / maximum	500 V

Protection class	
protection class IP	IP20
protection function of the overcurrent release	LSIG

Current	
continuous current / rated value	250 A
derating temperature / for the rated value of the continuous current	50 °C
adjustable current response value current	
• of the current-dependent overload release / full-scale value	250 A
• of instantaneous short-circuit trip unit / initial value	2 750 A
• of instantaneous short-circuit trip unit / full-scale value	2 750 A

Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °C / rated value	250 A
• at 50 °C / rated value	250 A
• at 55 °C / rated value	237.5 A
• at 60 °C / rated value	237.5 A

• at 65 °C / rated value	200 A
• at 70 °C / rated value	200 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

Adjustable parameters	
adjustable current response value current / of the short-time delayed short-circuit release / full-scale value	2 500 A
adjustable current response value current / of the current-dependent overload release / initial value	100 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	adjustable
• grounding protection	Yes
• 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
• at 415 V / rated value	70 kA
• at 500 V / rated value	30 kA
• at 690 V / rated value	6 kA
breaking capacity maximum short-circuit current (Icu)	
• at 240 V / rated value	100 kA
• at 415 V / rated value	70 kA
• at 440 V / rated value	50 kA
• at 480 V / acc. to NEMA / rated value	50 kA

• at 500 V / rated value	40 kA
• at 600 V / acc. to NEMA / rated value	12 kA
• at 690 V / rated value	12 kA

Connections	
arrangement of electrical connectors / for main current circuit	front side
type of connectable conductor cross-sections / for main contacts	
• with flexible busbar	17 x 10 mm
• solid	25 ... 185 mm²
• finely stranded / with core end processing	25 ... 120 mm²
• stranded	25 ... 185 mm²
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	0.75 ... 1.5 mm²
• finely stranded / with core end processing	0,75 ... 1.0 mm²
type of electrical connection / for main current circuit	screw-type terminals

Mechanical Design	
height	185.5 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	IEC, high switching capacity (H)
reference code	
• acc. to DIN EN 61346-2	Q

General Product Approval			EMC	Declaration of Conformity	Test Certificates
CCC	Miscellaneous	TSE	C-Tick	EG-Konf.	Special Test Certificate

Shipping Approval		other			
RINA	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=3VL3725-2SG36-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-2SG36-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-2SG36-0AA0

CAx-Online-Generator
http://www.siemens.com/cax

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