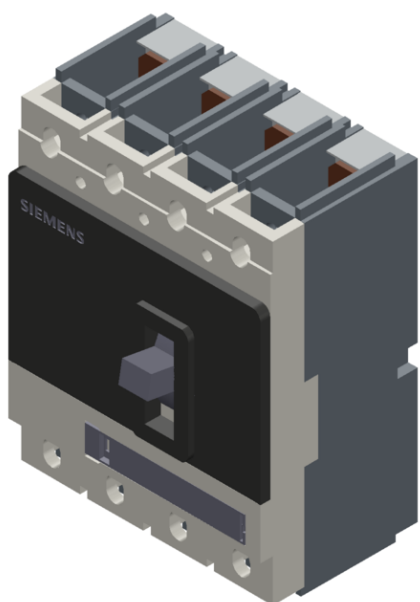


Circuit breaker VL250H High switching capacity $I_{cu}=70$ kA, 415V AC
4-pole, system protection Overcurrent release ETU20, LSI $I_n=250$ A,
Rated current $I_r=100...250$ A, Overload protection, $ISD=1.5$ to $10 \times I_R$,
 $I_I=11 \times I_n$ Short-circuit protection N protected without auxiliary release



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU20

General technical data	
Number of poles	4
Size of the circuit-breaker	3VL3
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 identifier / 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
• 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	LSIN

Dissipation	
Power loss [W]	
• maximum	60 W

Electricity	
Operating current / at 45 °C / rated value	250 A
Continuous current / rated value	250 A
Derating temperature / for the rated value of the continuous current	50 °C
Adjustable pick-up 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

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
Operating 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

Suitability	
Suitability for use	system/generator protection

Adjustable parameters	
Adjustable pick-up value current / of the short-time delayed short-circuit release / Full-scale value	2 500 A
Adjustable pick-up 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
• Ground fault protection	No
• for neutral conductors / Short-circuit and overload proof	Yes
• Overload protection	Yes




Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	75 kA
• at 415 V / rated value	70 kA



<ul style="list-style-type: none"> • at 500 V / rated value • at 690 V / rated value 	<p>30 kA</p> <p>6 kA</p>
Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> • at 240 V / rated value • at 415 V / rated value • at 440 V / rated value • at 480 V / acc. to NEMA / rated value • at 500 V / rated value • at 600 V / acc. to NEMA / rated value • at 690 V / rated value 	<p>100 kA</p> <p>70 kA</p> <p>50 kA</p> <p>50 kA</p> <p>40 kA</p> <p>12 kA</p> <p>12 kA</p>

Connections	
Arrangement of electrical connectors / for main current circuit	front side
Type of electrical connection / for main current circuit	screw-type terminals

Mechanical Design	
Height	185.5 mm
Width	139.5 mm
Depth	106.5 mm
Mounting type	fixed mounting

Certificates	
Certificate of suitability	IEC, high switching capacity (H)
Reference identifier	Q
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	

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

Shipping Approval	other
 <p>RINA</p>  <p>RMRS</p>	<p>Miscellaneous</p> <p>Confirmation</p> <p>Environmental Confirmations</p>

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=3VL3725-2TF46-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-2TF46-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-2TF46-0AA0

CAX-Online-Generator

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

Tender specifications

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