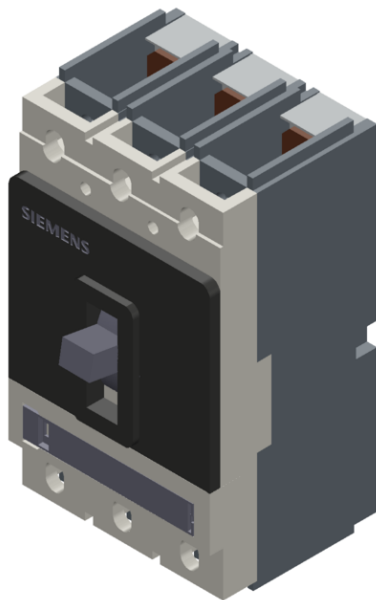


Circuit breaker VL250N Standard switching capacity  $I_{cu}=55$  kA, 415V  
AC 3-pole, motor protection Overcurrent release ETU30M, LI  
 $I_r=100...250$  A, Overload protection,  $TC=10$  A...30,  $II=6/8/11$  xIn,  
Short-circuit protection without auxiliary release



Model	
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU30M

General technical data	
Number of poles	3
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	LI

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	1 500 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

<b>Operating power / at AC-3</b>	
• at 230 V / rated value	46 kW
• at 400 V / rated value	138.5 kW
<b>Operating voltage</b>	
• 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
<b>Operating current</b>	
• 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

<b>Suitability for use</b>	Motor Protection
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#### Adjustable parameters

<b>Adjustable pick-up value current / of the current-dependent overload release / initial value</b>	100 A
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#### Product details

<b>Product component</b>	
• 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

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

#### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>	
• at 240 V / rated value	65 kA

- at 415 V / rated value 55 kA
- at 500 V / rated value 20 kA
- at 690 V / rated value 6 kA

<b>Maximum short-circuit current breaking capacity (Icu)</b>	
• at 240 V / rated value	65 kA
• at 415 V / rated value	55 kA
• at 440 V / rated value	25 kA
• at 480 V / acc. to NEMA / rated value	25 kA
• at 500 V / rated value	25 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 electrical connection / for main current circuit	screw-type terminals



### Mechanical Design

Height	185.5 mm
Width	104.5 mm
Depth	106.5 mm
Mounting type	fixed mounting

### Certificates

<b>Certificate of suitability</b>	IEC, standard switching capacity (N)
• Reference identifier / acc. to DIN EN 61346-2	Q

General Product Approval	EMC	Declaration of Conformity	Test Certificates
 CCC <a href="#">Miscellaneous</a>	 C-Tick	 EG-Konf.	<a href="#">Special Test Certificate</a>

Shipping Approval	other
 RINA  RMRS	<a href="#">Confirmation</a> <a href="#">Miscellaneous</a> <a href="#">Environmental Confirmations</a>

### 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=3VL3725-1SS36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL3725-1SS36-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL3725-1SS36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL3725-1SS36-0AA0)

**CAX-Online-Generator**

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

**Tender specifications**

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