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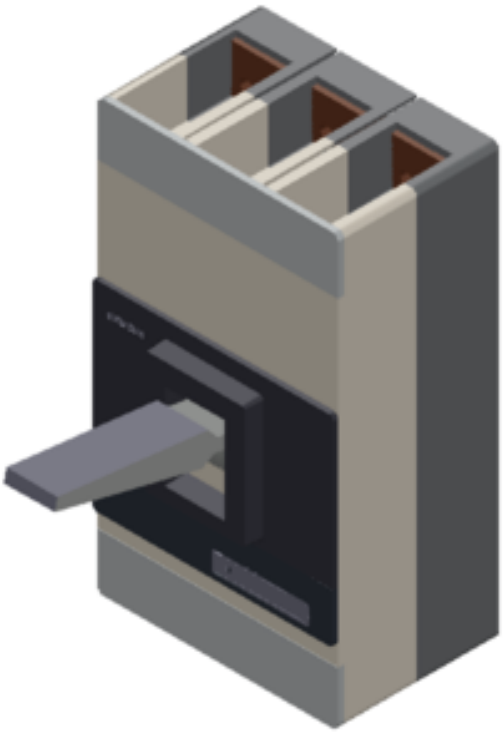
Show actual product details

Data sheet 3VL7710-1SE36-0AC1



CIRCUIT-BREAKER VL 1250N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU20, LSI IN=1000A, RATED CURRENT IR=400-1000A, OVERLOAD ISD=1,5TO10XIR, II=11XIN SHORT-CIRCUIT

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

General technical data		
Number of poles		3
Size of the circuit-breaker		3VL7
Electrical endurance (switching cycles) / typical		1 500
Usage category		A
Performance class for circuit breaker		N
Mechanical service life (switching cycles) / typical		3 000
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
Operating frequency / maximum	1/s	30

Voltage		
Rated operational voltage Ue / max.	V	690
Insulation voltage		
• rated value	V	800
• at AC / rated value	V	800

Surge voltage resistance / rated value	kV	8
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI
Electricity		
Continuous current / rated value	A	1 000
Derating temperature / for the rated value of the continuous current	°C	50
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	1 000
• of instantaneous short-circuit trip unit / initial value	A	11 000
• of instantaneous short-circuit trip unit / Full-scale value	A	11 000
Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• for main current circuit / at AC / at 50 Hz / maximum	V	690
• for main current circuit / at AC / at 60 Hz / maximum	V	690
Operating current		
• at 40 °C / rated value	A	1 000
• at 50 °C / rated value	A	1 000
• at 55 °C / rated value	A	950
• at 60 °C / rated value	A	950
• at 65 °C / rated value	A	800
• at 70 °C / rated value	A	800
Suitability		
Suitability for use		system/generator protection
Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	40
Product details		
Product component		
• Trip indicator		No
• Auxiliary switch		Yes
• 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		No
• Overload protection		Yes

Short circuit

Operational short-circuit current breaking capacity (Ics)		
• at 240 V / rated value	kA	35
• at 415 V / rated value	kA	28
• at 500 V / rated value	kA	20
• at 690 V / rated value	kA	10
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / rated value	kA	65
• at 415 V / rated value	kA	55
• at 440 V / rated value	kA	35
• at 480 V / acc. to NEMA / rated value	kA	25
• at 500 V / rated value	kA	25
• at 600 V / acc. to NEMA / rated value	kA	20
• at 690 V / rated value	kA	20

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	mm	406.5
Width	mm	228.5
Depth	mm	333.5
Mounting type		fixed mounting

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	80

Certificates

Certificate of suitability		IEC, standard switching capacity (N)
Equipment marking		
• acc. to DIN EN 61346-2		Q

General Product Approval					EMC
CCC	CSA	sonstig		TSE	C-Tick

Declaration of Conformity	Test Certificates	Shipping Approval		other	
EG-Konf.	spezielle Prüfbescheinigungen	RINA	RMRS	sonstig	Bestätigungen

other
Umweltbestätigung

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VL7710-1SE36-0AC1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VL7710-1SE36-0AC1/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL7710-1SE36-0AC1

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

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv