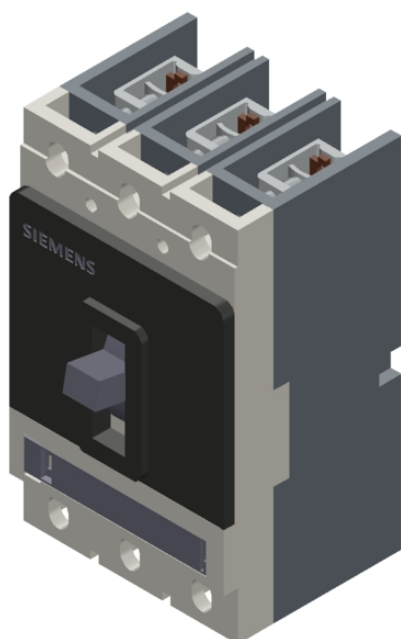




Similar to image

CIRCUIT-BREAKER VL 160N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE PROTECTION ELECTRONIC TRIP UNIT ETU20, LSI IN=100A, RATED CURRENT IR=40-100A, OVERLOAD ISD=1,5TO10XIR, II=11XIN SHORT-CIRCUIT WITHOUT AUXILIARY RELEASE AUXILIARY/ALARM SWITCH KIT 2HS(1NO+1NC)+1AS(1NO)

General technical data:

Number of poles		3
Design of the overcurrent release		ETU20
Acceptability for application		system/generator protection
Electrical operating cycles as operating time / typical		10,000
Mechanical operating cycles as operating time / typical		20,000
Active power loss / maximum	W	40
Product component		
• auxiliary switch		Yes
• Voltage trigger		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
Product function		
• of the thermal overload release		adjustable
• ground-fault protection		No
• for zero conductors / short-circuit and overload protection		No
• overload protection		Yes
Operating cycles / maximum	1/s	120
Protection class IP		IP20

Protective function of the overcurrent release		LSI
Impulse voltage resistance / rated value	kV	8
Ambient temperature		
• during operating	°C	-25 ... +70
• during storage	°C	-40 ... +80

Main circuit:		
Insulation voltage / for AC / rated value	V	800
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		Q
• according to DIN EN 61346-2		Q
Operating voltage / for main circuit		
• at 50 Hz / with AC		
• maximum	V	690
• at 60 Hz / with AC		
• maximum	V	690
Operating current		
• at 40 °C / rated value	A	100
• at 50 °C / rated value	A	100
• at 60 °C / rated value	A	95
• at 70 °C / rated value	A	80
Continuous current / rated value	A	100
Derating temperature / for the rated value of the continuous current	°C	50

Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		2

Short-circuit:		
Adjustable response current		
• of the current-dependent overload release	A	40 ... 100
• of the non-delayed short-circuit release	A	1,100 ... 1,100
Breaking capacity limit short-circuit current (I_{cu}) / at 415 V / rated value	kA	55

Installation/mounting/dimensions:		
Mounting type		fixed mounting

Height	mm	174.5
Width	mm	104.5
Depth	mm	106.5

Connections:

Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection / for main current circuit		box terminals
Type of the connectable conductor cross-section • for main contacts • solid • stranded • for auxiliary contacts • solid • finely stranded / with conductor end processing		2.5 ... 95 mm ² 2.5 ... 95 mm ² 0.75 ... 1.5 mm ² 0,75 ... 1.0 mm ²

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 EG-Konf.	Special Test Certificate

[TSE](#)

[Special Test Certificate](#)

Shipping Approval



DNV

GL

RINA

RMRS

other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

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/3VL2710-1SE33-0AD1>

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

<http://support.automation.siemens.com/WW/view/en/3VL2710-1SE33-0AD1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2710-1SE33-0AD1

CAX-Online-Generator

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

Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

Jun 16, 2014