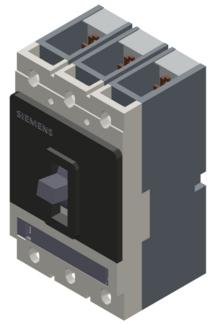
Product data sheet



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=160A, RATED CURRENT IR=64-160A,
OVERLOAD ISD=1,5TO10XIR,
II=11XIN SHORT-CIRCUIT WITH SCREW CONNECTION
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
Suitability for use		system/generator protection
Usage category		A
Electrical endurance (switching cycles) / typical		10,000
Mechanical service life (switching cycles) / typical		20,000
Active power loss / maximum	W	40
Product component		
Auxiliary switch		Yes
Voltage trigger		No
undervoltage release		No
undervoltage release with leading contact		No
Product function		
of the thermal overload release		adjustable
Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
overload protection		Yes
Operating frequency / maximum	1/s	120

Protection class IP		IP20
Protective function of the overcurrent release		LSI
Surge voltage resistance / Rated value	kV	8
Ambient temperature		
during operation	°C	-25 +70
during storage	°C	-40 +80
Main circuit:		
Insulation voltage / with AC / Rated value	V	800
Operating frequency	_	
• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
Reference code		
• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
• acc. to DIN EN 61346-2		Q
Operating voltage / for main current circuit		
• with AC / at 50 Hz		
• maximum	V	690
• with AC / at 60 Hz		
• maximum	V	690
Operating current		
• at 40 °C / Rated value	Α	160
• at 50 °C / Rated value	Α	160
• at 60 °C / Rated value	Α	152
• at 70 °C / Rated value	Α	128
Continuous current / Rated value	Α	160
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 value current		
of the current-dependent overload release	Α	64 160
• of the instantaneous short-circuit release	Α	1,760 1,760
Maximum short-circuit current breaking capacity (Icu) / 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		screw-type terminals
Type of connectable conductor cross-section		
• for main contacts		
with flexible busbar		12 x 10 mm
• solid		2.5 95 mm²
 finely stranded / with core end processing 		2.5 50 mm²
• stranded		2.5 95 mm²
for auxiliary contacts		
• solid		0.75 1.5 mm²
 finely stranded / with core end processing 		0,75 1.0 mm²

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates
TSE TSE	C C	Special Test Certificate

Shipping Approval





GL





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/3VL2716-1SE36-0AD1

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

 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3VL2716-1SE36-0AD1/all}}$

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2716-1SE36-0AD1

CAx-Online-Generator

http://www.siemens.com/cax

Tender	specifications
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Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT

last change: Oct 1, 2014