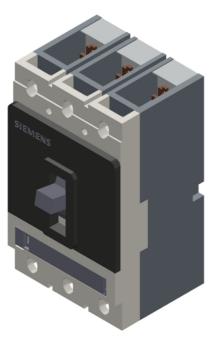
SIEMENS

Product data sheet



3VL2710-1DC36-0AB1

CIRCUIT-BREAKER VL 160N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=100A, RATED CURRENT IR=80-100A, OVERLOAD II=500-1000A, SHORT CIRCUIT WITH SCREW CONNECTION WITHOUT AUXILIARY RELEASE AUXILIARY SWITCH KIT 2HS(1NO+1NC)

Similar to image

General technical data:		
Number of poles		3
Design of the overcurrent release		ТМ
Acceptability for application		system protection
Electrical operating cycles as operating time / typical		10,000
Mechanical operating cycles as operating time / typical		20,000
Active power loss / maximum	W	48
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

Destanting function of the successful values.	_	
Protective function of the overcurrent release		
Impulse voltage resistance / rated value	kV	8
Ambient temperature		
during operating	°C	070
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 voltage / for main current circuit / for DC		
• maximum	V	500
Operating current		
• at 40 °C / rated value	А	100
• at 50 °C / rated value	А	100
• at 60 °C / rated value	А	95
• at 70 °C / rated value	А	80
Continuous current / rated value	А	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		1
Short-circuit:		
Adjustable response current		
of the current-dependent overload release	А	80 100
of the non-delayed short-circuit release	А	500 1,000
Breaking capacity limit short-circuit current (lcu) / at 415 V / rated value	kA	55

Installation/mounting/dimensions:						
Mounting type		fixed mounting				
Height	mm	174.5				
Width	mm	104.5				
Depth	mm	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 the connectable conductor cross-section						
for main contacts						
• solid		2.5 95 mm²				
• stranded		2.5 95 mm²				
 for auxiliary contacts 						
• solid		0.75 1.5 mm²				

• finely stranded / with conductor end processing

Certificates/approvals:							
General Product Ap	proval	Declaration of Conformity	Test Certificates				
	<u>TSE</u>	EG-Konf.	Special Test Certificate				
Shipping Approval							
ABS	B U R E A U V E R ITAS	J.S. DNV DNV	GL	PRS	RINA		
Shipping Approval	other						
	Confirmation	other	Environmental Confirmations				

0,75 ... 1.0 mm²

Further information:

RMRS

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/3VL2710-1DC36-0AB1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VL2710-1DC36-0AB1/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2710-1DC36-0AB1

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT

last change:

Jun 16, 2014