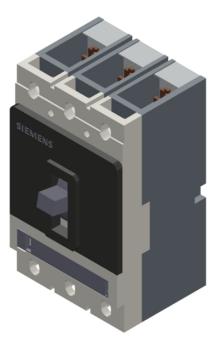
## SIEMENS

## **Product data sheet**

## 3VL2716-1SS36-0AB1



CIRCUIT-BREAKER VL 160N STANDARD BREAKING CAPACITY ICU= 55KA, 415 V AC 3-POLE, MOTOR PROTECTION OVERCURRENT TRIGGER ETU30M, LI IN=160 A, NOM. CURRENT TC= 10 A ... 30, INERTIA CLASS II= 6 ... 11 X IN, SHORT-CIRCUIT PROTECTION WITHOUT AUXILIARY RELEASE AUXILIARY SWITCH KIT 2HS(1NO+1NC)

Similar to image

General technical data:				
Number of poles		3		
Design of the overcurrent release		ETU30M		
Acceptability for application		Motor 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		
<ul> <li>undervoltage release mechanism</li> </ul>		No		
undervoltage release with leading contact		No		
Product function				
<ul> <li>of the thermal overload release</li> </ul>		adjustable		
ground-fault protection		No		
<ul> <li>for zero conductors / short-circuit and overload protection</li> </ul>		No		
overload protection		Yes		
Operating cycles / maximum	1/s	120		
Protection class IP		IP20		

Protective function of the overcurrent release		u
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
Service power / at AC-3		
• at 230 V / rated value	kW	29.4
• at 400 V / rated value	kW	88.7
Reference code		
<ul> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul>		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	А	160
• at 50 °C / rated value	А	160
• at 60 °C / rated value	А	152
• at 70 °C / rated value	А	128
Continuous current / rated value	A	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		1
Short-circuit:		
Adjustable response current		
• of the current-dependent overload release	А	64 160
• of the non-delayed short-circuit release	А	960 1,760
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	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 cro	oss-section				
<ul> <li>for main contacts</li> </ul>					
• solid			2.5 95 mm <sup>2</sup>		
stranded			2.5 95 mm <sup>2</sup>		
<ul> <li>for auxiliary contacts</li> </ul>					
• solid			0.75 1.5 mm²		
<ul> <li>finely stranded / with conductor end processing</li> </ul>			0,75 1.0 mm²		
Certificates/approvals:					
General Product Approval	Declaration of Conformity	Test Certificates			
	CE	Special Test Certificate			
ccc	EG-Konf.				



## 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/3VL2716-1SS36-0AB1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VL2716-1SS36-0AB1/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VL2716-1SS36-0AB1

Confirmations

**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT

last change:

Jun 16, 2014