SIEMENS

Product data sheet 3VL1710-2DA33-0AA0

Similar to image

CIRCUIT-BREAKER VL160X H HIGH BREAKING CAPACITY ICU=70KA / 415 V AC 3 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=100A, RATED CURRENT IR=100A, OVERLOAD II=1000A, SHORT-CIRCUIT

General technical data:		
Number of poles		3
Design of the overcurrent release		TM
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	70
Product component		
• auxiliary switch		No
• Voltage trigger		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
Product function		
• of the thermal overload release		fixed
• 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		LI
Impulse voltage resistance / rated value	kV	8
Ambient temperature		
• during operating		
• minimum	°C	-25 …
• maximum	°C	70
• during storage		
• minimum	°C	-40
• maximum	°C	50

Main circuit:		
Insulation voltage / for AC / rated value	V	800

Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Item designation		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		Q
• according to DIN EN 61346-2		Q
Operating voltage		
• for main current circuit		
• at 50 Hz / for AC		
• maximum	V	690
• at 60 Hz / for AC		
• maximum	V	690
• for DC		
• maximum	V	500
Operating current		
• at 40 °C / rated value	A	100
• at 50 °C / rated value	A	100
• at 60 °C / rated value	A	93
• at 70 °C / rated value	A	86
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		0
Number of NO contacts / for auxiliary contacts		0

Short-circuit:

Adjustable response current		
• of the current-dependent overload release		
• initial value	A	100 …
• final value	A	100
• of the non-delayed short-circuit release		
• initial value	A	1,000 …
• final value	A	1,000
Breaking capacity limit short-circuit current (Icu) / at 415 V / rated value	kA	70

Installation/mounting/dimensions:

Type of mounting		fixed mounting
Height	mm	157.5

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		
• with flexible busbar		12 x 10 mm
• solid		2,5 ... 95 mm²
• finely stranded / with conductor end processing		2,5 ... 50 mm²
• stranded		2,5 ... 95 mm²
• for auxiliary contacts		
• solid		0,75 ... 1.5 mm²
• finely stranded / with conductor end processing		0.75 ... 1.0 mm²

Certificates/approvals:

Further information:

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

Industry Mall (Online ordering system)
http://www.siemens.com/lowvoltage/mall

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VL1710-2DA33-0AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL1710-2DA33-0AA0

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

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