SIEMENS

Product data sheet 3VL2716-2EE43-0AA0

Similar to image

CIRCUIT-BREAKER VL 160H HIGH BREAKING CAPACITY ICU=70KA / 415 V AC 4 POLE,

NON-AUTOMATIC OVERCURRENT RELEASE MAGNETIC

IN=160A,

RATED CURRENT II=2500A, SHORT-CIRCUIT

Number of poles 4 Design of the overcurrent release M M Acceptability for application 10,000 Incompanies Electrical operating cycles as operating time / typical 20,000 20,000 Active power loss / maximum W 40 Product component No No • voltage trigger No No • undervoltage release mechanism No No • undervoltage release with leading contact No No Product function No No • of the thermal overload release Without No • for zero conductors / short-circuit and overload protection No No • overload protection No No • protection class IP IP20 IP20 Protection class IP IP20 IP20 Protective function of the overcurrent release RV 8 Impulse voltage resistance / rated value RV 8 Ambient temperature Auting operating C 25 • during storage Imaximum	General technical data:		
Acceptability for application non-automatic circuit-breakers 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	Number of poles		4
Electrical operating cycles as operating time / typical 20,000 Mechanical operating cycles as operating time / typical 20,000 Active power loss / maximum W 40 Product component	Design of the overcurrent release		M
Mechanical operating cycles as operating time / typical W 40 Product component	Acceptability for application		non-automatic circuit-breakers
Active power loss / maximum Product component • auxiliary switch • Voltage trigger • undervoltage release mechanism • undervoltage release with leading contact Product function • of the thermal overload release • ground-fault protection • for zero conductors / short-circuit and overload protection • overload protection Operating cycles / maximum 1/s Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature • during operating • minimum • during storage • minimum • c	Electrical operating cycles as operating time / typical		10,000
Product component - auxiliary switch - Voltage trigger - undervoltage release mechanism - undervoltage release with leading contact Product function - of the thermal overload release - ground-fault protection - for zero conductors / short-circuit and overload protection - overload protection Operating cycles / maximum Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature - during operating - minimum - maximum - during storage - minimum - v C - 40	Mechanical operating cycles as operating time / typical		20,000
auxiliary switch Voltage trigger undervoltage release mechanism undervoltage release with leading contact Product function of the thermal overload release ground-fault protection for zero conductors / short-circuit and overload protection overload protection voerload protection Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature during operating minimum	Active power loss / maximum	W	40
Voltage trigger undervoltage release mechanism undervoltage release with leading contact Product function of the thermal overload release ground-fault protection for zero conductors / short-circuit and overload protection overload protection voerload protection voerload protection voerload protection Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature during operating minimum	Product component		
undervoltage release mechanism undervoltage release with leading contact Product function of the thermal overload release ground-fault protection of rozero conductors / short-circuit and overload protection overload protection No Operating cycles / maximum Insulate voltage resistance / rated value Ambient temperature oduring operating minimum CC Operating storage minimum CC Operating storage minimum CC Operating cycles / maximum CC Operating cycles / maximum Opera	auxiliary switch		No
 undervoltage release with leading contact Product function of the thermal overload release ground-fault protection for zero conductors / short-circuit and overload protection overload protection No Operating cycles / maximum 1/s 120 Protection class IP IP20 Protective function of the overcurrent release Impulse voltage resistance / rated value kV 8 Ambient temperature during operating minimum °C -25 maximum during storage minimum ninimum o'C -40 	Voltage trigger		No
Product function • of the thermal overload release • ground-fault protection • for zero conductors / short-circuit and overload protection • overload protection Operating cycles / maximum Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature • during operating • minimum • c c -25 • maximum • during storage • minimum • c c -40	undervoltage release mechanism		No
of the thermal overload release	undervoltage release with leading contact		No
• ground-fault protection • for zero conductors / short-circuit and overload protection • overload protection Operating cycles / maximum Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value Ambient temperature • during operating • minimum c C -25 • maximum • during storage • minimum c C -40	Product function		
• for zero conductors / short-circuit and overload protection • overload protection Operating cycles / maximum I/s I20 Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value kV 8 Ambient temperature • during operating • minimum CC -25 • maximum • during storage • minimum CC -40	of the thermal overload release		Without
Operating cycles / maximum	ground-fault protection		No
Operating cycles / maximum Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value kV 8 Ambient temperature • during operating • minimum • maximum • during storage • minimum • minimum • c -25 • c 70	• for zero conductors / short-circuit and overload protection		No
Protection class IP Protective function of the overcurrent release Impulse voltage resistance / rated value kV 8 Ambient temperature • during operating • minimum • maximum • during storage • minimum ° C -25 ° C 70	overload protection		No
Protective function of the overcurrent release Impulse voltage resistance / rated value kV 8 Ambient temperature during operating minimum C -25 maximum c 70 during storage minimum C -40	Operating cycles / maximum	1/s	120
Impulse voltage resistance / rated valuekV8Ambient temperature*** Comparison of the properties	Protection class IP		IP20
Ambient temperature • during operating • minimum • maximum • during storage • minimum ° C 70 • during storage • minimum ° C -40	Protective function of the overcurrent release		I
 during operating minimum °C -25 maximum °C 70 during storage minimum °C -40 	Impulse voltage resistance / rated value	kV	8
 minimum C -25 maximum C 70 during storage minimum C -40 	Ambient temperature		
 maximum °C 70 during storage minimum °C -40 	during operating		
 during storage minimum °C -40 	• minimum	°C	-25
• minimum °C -40	• maximum	°C	70
	during storage		
• maximum °C 50	• minimum	°C	-40
	• maximum	°C	50

Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Item designation	- П2	00
according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		Q
according to DIN EN 61346-2 Constitution of the second seco		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	Α	160
• at 50 °C / rated value	Α	160
• at 60 °C / rated value	Α	148.8
• at 70 °C / rated value	Α	137.6
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		0
Number of NO contacts / for auxiliary contacts		0
Short-circuit:		
Adjustable response current		
of the current-dependent overload release		
• initial value		
of the non-delayed short-circuit release		
• initial value	Α	2,500
• final value	Α	2,500
Breaking capacity limit short-circuit current (lcu) / at 415 V / rated value	kA	70
Installation/mounting/dimensions:		
Type of mounting		fixed mounting

Height

Width

mm

mm

174.5

139.5

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/3VL2716-2EE43-0AA0/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2716-2EE43-0AA0}$

CAx-Online-Generator

http://www.siemens.com/cax

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