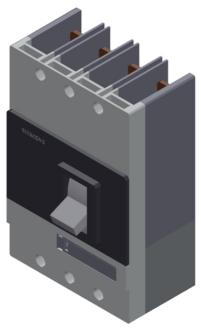
SIEMENS

Product data sheet 3VL4740-1EJ46-0AD1



CIRCUIT-BREAKER VL 400N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 4 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=400A, RATED CURRENT IR=320-400A, OVERLOAD II=2000-4000A, SHORT CIRCUIT N NOT PROTECTED

Similar to image

General technical data:		
Number of poles		4
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	175
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

Protective function of the overcurrent release		LI
Impulse voltage resistance / rated value	kV	8
Ambient temperature		
during operating	°C	0 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
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 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	Α	400
• at 50 °C / rated value	Α	400
• at 60 °C / rated value	Α	372
• at 70 °C / rated value	Α	344
Continuous current / rated value	Α	400
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 current		
of the current-dependent overload release	Α	320 400
of the non-delayed short-circuit release	Α	2,000 4,000
Breaking capacity limit short-circuit current (Icu) / at 415 V /	kA	55

rated value

Installation/mounting/dimensions:		
Type of mounting		fixed mounting
Height	mm	279.5
Width	mm	183.5
Depth	mm	163.5

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	50 300 mm²	
• stranded	50 300 mm²	
for auxiliary contacts		
• solid	0.75 1.5 mm ²	
• finely stranded / with conductor end processing	0,75 1.0 mm²	

Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates







Special Test Certificate

Shipping Approval







KTL

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other

Confirmation

other

Environmental Confirmations

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/3VL4740-1EJ46-0AD1/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL4740-1EJ46-0AD1}$

CAx-Online-Generator

http://www.siemens.com/cax

Tender	specifications
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Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT

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