

BREAKER VL 3P 1200A 480V 35KA FX TM 100 CAT
NUMBER NNY3B120

Similar to image

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		1,500
Mechanical operating cycles as operating time / typical		3,000
Product component • auxiliary switch • Voltage trigger • undervoltage release mechanism • undervoltage release with leading contact		No No No No
Product function • of the thermal overload release • ground-fault protection • for zero conductors / short-circuit and overload protection • overload protection		fixed No No Yes
Operating cycles / maximum	1/s	30
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
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
• acc. to UL 489	V /	600
• at 60 Hz / with AC		
• maximum	V	690
• acc. to UL 489	V /	600
Operating voltage / for main current circuit / for DC		
• acc. to UL 489 / maximum	V	500
Operating current		
• at 40 °C / rated value	A	1,200
• at 50 °C / rated value	A	1,116
• at 60 °C / rated value	A	1,032
Continuous current / rated value	A	1,200
Derating temperature / for the rated value of the continuous current		
• acc. to UL 489	°C	40

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	A	1,200 ... 1,200
• of the non-delayed short-circuit release	A	7,000 ... 12,000
Breaking capacity limit short-circuit current (Icu) / at 415 V / rated value	kA	50

Installation/mounting/dimensions:

Mounting type		fixed mounting
Height	mm	406.5
Width	mm	228.5
Depth	mm	333.5

Connections:

Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection / for main current circuit		without connection accessoires
Type of the connectable conductor cross-section • for auxiliary contacts • solid • finely stranded / with conductor end processing		0.75 ... 1.5 mm ² 0,75 ... 1.0 mm ²

Certificates/approvals:

General Product Approval



Declaration of Conformity

Shipping Approval

other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

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/3VL7112-5KN30-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3VL7112-5KN30-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL7112-5KN30-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

[Datenorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

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