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CIRCUIT-BREAKER VL160X N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 4 POLE, LINE PROTECTION OVERCURRENT RELEASE TM, LI IN=25A, RATED CURRENT IR=25A, OVERLOAD II=300A, SHORT-CIRCUIT N NOT PROTECTED WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH

General technical data:		
Number of poles		4
Design of the overcurrent release		TM
Suitability for use		system protection
Usage category		A
Electrical endurance (switching cycles) / typical		10,000
Mechanical service life (switching cycles) / typical		20,000
Active power loss / maximum	W	70
Product component		
• Auxiliary switch		No
• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product function		
• of the thermal overload release		fixed
• Ground fault protection		No
• for neutral conductors / Short-circuit and overload proof		No
• overload protection		Yes
Operating frequency / maximum	1/s	120
Protection class IP		IP20
Protective function of the overcurrent release		LI
Surge voltage resistance / Rated value	kV	8
Ambient temperature		
• during operation	°C	0 ... 70
• during storage	°C	-40 ... +80
Main circuit:		
Insulation voltage / with AC / Rated value	V	800
Operating frequency		

• 1 / Rated value	Hz	50
• 2 / Rated value	Hz	60
Reference code		
• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
• acc. to DIN EN 61346-2		Q
Operating voltage / for main current circuit		
• with AC / at 50 Hz		
• maximum	V	690
• with AC / at 60 Hz		
• maximum	V	690
Operating voltage / for main current circuit / for DC		
• maximum	V	500
Operating current		
• at 40 °C / Rated value	A	25
• at 50 °C / Rated value	A	25
• at 60 °C / Rated value	A	23.3
• at 70 °C / Rated value	A	21.5
Continuous current / Rated value	A	25
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 value current		
• of the current-dependent overload release	A	25 ... 25
• of the instantaneous short-circuit release	A	300 ... 300
Maximum short-circuit current breaking capacity (I_{cu}) / at 415 V / Rated value	kA	55

Installation/mounting/dimensions:

Mounting type		fixed mounting
Height	mm	157.5
Width	mm	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 connectable conductor cross-section

- for main contacts
 - with flexible busbar
 - solid
 - finely stranded / with core end processing
 - stranded
- for auxiliary contacts
 - solid
 - finely stranded / with core end processing

12 x 10 mm

2.5 ... 95 mm²

2.5 ... 50 mm²

2.5 ... 95 mm²

0.75 ... 1.5 mm²

0,75 ... 1.0 mm²

Certificates/approvals:

General Product Approval



CCC

[KTL](#)

[TSE](#)



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



PRS



RINA

Shipping Approval

other



RMRS

[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/3VL1725-1EH43-0AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VL1725-1EH43-0AA0/all>

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

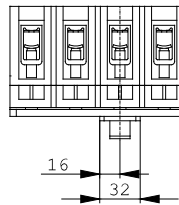
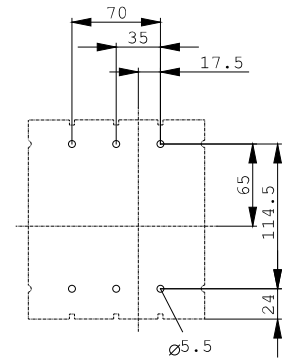
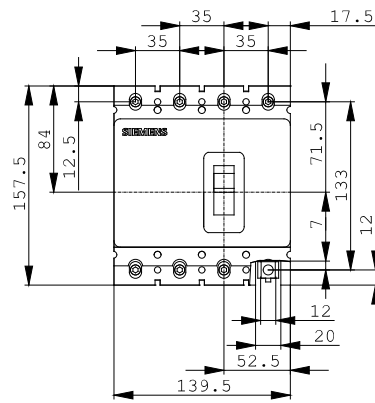
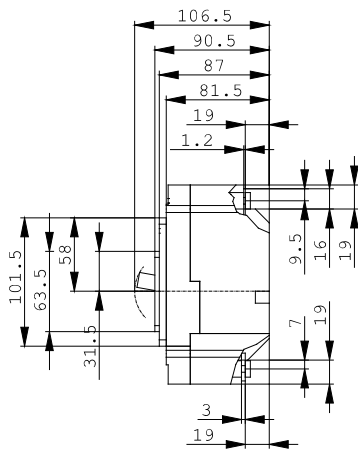
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL1725-1EH43-0AA0

CAX-Online-Generator

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

Tender specifications

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



last change:

Nov 19, 2014