SIEMENS

Data sheet

3VL1706-1DA33-0AA0

circuit breaker VL160X N standard breaking capacity Icu=55kA, 415V AC 3-pole, line protection Trip Unit TM, LI In=63A, rated current Ir=63A, overload protection II=600A, short-circuit prot. without auxiliary release without auxiliary/alarm switch

Model Model type of the driving mechanism motor drive No design of the overcurrent release TM General technical data TM General technical data 3 size of the circuit-breaker 3U.1 mechanical service life (operating cycles) typical 10 000 uitization category A performance class for circuit breaker N reference code according to EC 750 120 1/s operating frequency maximum 120 1/s Victage Sol V • insulation voltage rated value 800 V • insulation voltage rule value 800 V • insulation voltage rule value 800 V • for main current circuit at AC at 50 Hz maximum 660 V • for main current circuit at AC at 50 Hz maximum 660 V • for main current circuit at AC at 50 Hz maximum 660 V • for main current circuit at AC at 60 Hz maximum 660 V • for main current circuit at AC at 60 Hz maximum 660 V • for main current circuit at AC at 60 Hz maximum 660 V • for main current circuit at AC at 60 Hz maximum 6		without auxiliary/alarm switch
design of the overcurrent release TM Ceneral technical data	Model	
Central tochnical data 3 number of poles 3 size of the circuit-breaker 3V.11 mechanical service life (operating cycles) typical 20 000 utilization category A performance dass for circuit breaker N reference code according to DIN 40719 extended Q according to IEC 20+2 according to EC 700 Q operating frequency maximum 120 1/s Voltage 880 V e insulation voltage rated value 800 V e insulation voltage (U) at AC rated value 800 V e insulation voltage (U) at AC rated value 800 V operating recycles (U) at AC at B / DE maximum 690 V e rated value maximum 690 V of or main current circuit AC at B / DE maximum 690 V e rated value maximum 690 V operating recycles (P) Protection class IP protection class IP Protection class IP protection class IP Fi20	type of the driving mechanism motor drive	No
number of poles 3 size of the circuit-breaker 3VL1 mechanical service life (operating cycles) typical 20 000 electrical endurance (operating cycles) typical 10 000 utilization category A performance class for circuit breaker N reforence code according to INM 40719 extended Q according to INM 40719 extended Q according to INM 40719 extended Q according to ISC 204-2 according to ISC 750 Q operating frequency maximum 120 1/s Victage Fated operational voltage (U) at AC rated value 800 V • insulation voltage rated value 800 V • • insulation voltage (U) at AC rated value 800 V • • ormain current circuit at AC at 50 Hz maximum 690 V • • for main current circuit at DC maximum 690 V • • for main current circuit at DC maximum 690 V • • for circuit orbate Li Current • of rated value 63 A • • at 50 °C rated value 63 A • • at 50 °C rated value 63 A • • at 50 °C rated value 53 A • • at 50 °C rated value 54 A • • at 50 °C rated val	design of the overcurrent release	TM
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mechanical service life (operating cycles) typical 20 000 electrical endurance (operating cycles) typical 10 000 ultization category A performance class for circuit breaker N reference: code according to IN 40719 extended Q according to IN 40719 extended Q according to IN 40719 extended Q according to ISC 2042 according to ISC 750 Q operating frequency maximum 600 V • insulation voltage Ue max. 600 V • insulation voltage Ue trax. 600 V • insulation voltage Ua AC rated value 800 V • insulation voltage Ua AC rated value 800 V • orated value maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit AC at 50 Hz maximum 690 V • for main current circuit AC at 50 Hz maximum 690 V • for main current circuit AC at 40 Hz maximum 690 V • for main current circuit AC at 60 Hz maximum 690 V • for main current circuit AC at 60 Hz maximum 690 V • for main current circuit AC at 60 Hz maximum 690 V <td>number of poles</td> <td>3</td>	number of poles	3
electrical endurance (operating cycles) typical 10 000 utilization category A A performance class for circuit breaker N reference code according to DN 40719 extended according to EC 204-2 according to EC 750 operating frequency maximum 120 1/s Voitage Rated operational voltage Ue max. 690 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at DC maximum 690 V • for main current circuit at DC maximum 690 V • for main current circuit at DC maximum 690 V • for main current circuit at DC maximum 690 V • for main current circuit at DC maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current circuit at DC maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current freut at AC at 80 Hz maximum 690 V • for the current freut at DC maximum 690 V • for the current freut at DC maximum 690 V • for the current freut at DC maximum 690 A • at 45 °C rated value 63 A • at 45 °C rated value 63 A • at 55 °C rated value 63 A • at 60 °C rated value 58 6 A • at 60 °C rated value 58 6 A • at 60 °C rated value 54.2 A • at 70 °C rated value 54.2 A • at 70 °C rated value 64.2 A • at 70 °C rated value 70	size of the circuit-breaker	3VL1
utilization category A performance class for circuit breaker N reference code according to IEC 750 Q operating frequency maximum 120 1/s Votage 600 V e insulation voltage rated value 800 V e insulation voltage (U) at AC rated value 800 V operating frequency maximum 600 V e insulation voltage (U) at AC rated value 800 V operating registrator rated value 800 V operating registrator rated value 800 V operating voltage 8 e rated value maximum 690 V for main current circuit at AC at 50 Hz maximum 690 V of main current circuit at AC at 60 Hz maximum 690 V operating voltage IP20 protection class IP IP20 protection class IC IP20 portection class IC 63 A e at 40 °C rated value 63 A e at 50 °C rated value 63 A e at 50 °C rated value 58.6 A e at 60 °C rated value 58.6 A e at 60 °C rated value 58.6 A e at 60 °C rated value 6	mechanical service life (operating cycles) typical	20 000
performance class for circuit breaker N reference code according to EUX 40719 extended according to EUX 204-2 according to EC 750 Q operating frequency maximum 120 1/s Voltage 800 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V • or rade value maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for ratin current circuit at AC at 60 Hz maximum 690 V • for ratin current circuit at AC at 80 Hz maximum 690 V • for ratin current circuit at AC at 80 Hz maximum 690 V • for ratin current circuit at AC at 80 Hz maximum 690 V • for ratin current circuit at AC at 80 Hz maximum 690 V • for ratin current foreult at AC at 80 Hz maximum 690 V • for ratin current discuit at AC at 80 Hz maximum 690 V • for ratin current discuit at AC at 80 Hz maximum 63 A • at 45 °C rated value 63 A • at 45 °C rated value 63 A • at 60 °C rated value <	electrical endurance (operating cycles) typical	10 000
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 0 operating frequency maximum 120 1/s Rated operational voltage Um ax. 600 V • insulation voltage rated value 800 V • insulation voltage rated value 800 V • surge voltage resistance rated value 800 V • operating reguency maximum 600 V • or main current circuit at AC at 50 Hz maximum 600 V • for main current circuit at AC at 60 Hz maximum 600 V • for main current circuit at AC at 60 Hz maximum 600 V • for main current circuit at AC at 60 Hz maximum 600 V • for main current circuit at AC at 60 Hz maximum 600 V • for main current circuit at AC at 60 Hz maximum 600 V • for main current circuit at AC at 80 Hz maximum 600 V • for main current circuit at AC at 80 Hz maximum 600 V • for anin current circuit at AC at 80 Hz maximum 600 V • at 40 °C rated value 63 A • at 65 °C rated value 63 A • at 65 °C rated value 63 A • at 65 °C rated value 63 A • at 60 °C rated value 63 A	utilization category	A
according to IEC 2042 according to IEC 750 operating frequency maximum 120 1/s Voltage Rated operational voltage Ue max. 690 V • insulation voltage Ub at AC rated value 800 V • insulation voltage (1) at AC rated value 800 V surge voltage resistance rated value 800 V • insulation voltage (1) at AC rated value 800 V • operating voltage • rated value maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current release LI Current operational current • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 55 °C rated value 63 A • at 65 °C rated value 64 2 A • continuous current rated value 64 2 A • continuous current rated value 63 A • at 60 °C rated value 64 2 A • of instantaneous short-circuit trip unit minimum • of instantaneous short-circuit trip unit maximum 600 A Main circuit operating frequency • 1 rated value 50 Hz • 2 rated value 60 Hz Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary circuits Auxiliary circuits Auxiliar	performance class for circuit breaker	Ν
Voltage 690 V Rated operational voltage Ue max. 690 V • insulation voltage (U) at AC rated value 800 V • insulation voltage (U) at AC rated value 800 V surge voltage resistance rated value 8 kV operating voltage • rated value maximum • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • operation function of the overcurrent release Li Current 1P20 operational current 63 A • at 40 °C rated value 63 A • at 50 °C rated value 63 A • at 60 °C rated value 54 2 A • at 60 °C rated value 53 A • at 60 °C rated value 63 A • at 60 °C rated value 63 A • at 60 °C rated value 63 A • at 70 °C rated value 63 A • at 70 °C rated value of the continuous 50 °C current 60 A • of instantaneous short-circuit trip unit minimum <	reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	Q
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insulation voltage (U) at AC rated value insulation voltage (U) at AC rated value 800 V insulation voltage (U) at AC rated value 81V operating voltage in rated value maximum for main current circuit at AC at 50 Hz maximum for main current circuit at AC at 60 Hz maximum for main current circuit at AC at 60 Hz maximum for main current circuit at AC at 60 Hz reted value reted value maximum for main current circuit at AC at 60 Hz reted value ret	Voltage	
 insulation voltage (Ui) at AC rated value surge voltage resistance rated value a RV operating voltage rated value maximum 690 V 60 main current circuit at AC at 50 Hz maximum 690 V 60 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current circuit at AC at 60 Hz maximum 600 V 700 main current release Current eat 40 °C rated value 63 A eat 50 °C rated value 63 A eat 60 °C rated value 58.6 A eat 60 °C rated value 58.6 A eat 60 °C rated value 54.2 A continuous current release tull-continuous current of the current-dependent overload release full-scale value 60 A eit on current devalue 63 A 60 Hz 2 rated value 60 Hz <	Rated operational voltage Ue max.	690 V
 insulation voltage (Ui) at AC rated value surge voltage resistance rated value 8 kV operating voltage rated value maximum 690 V 60 main current circuit at AC at 50 Hz maximum 690 V 60 main current circuit at AC at 60 Hz maximum 690 V 60 main current circuit at AC at 60 Hz maximum 690 V 60 main current circuit at AC at 60 Hz maximum 690 V 60 real current circuit at AC at 60 Hz maximum 600 V 700 rotection function of the overcurrent release LI Current operational current at 40 °C rated value 63 A at 45 °C rated value 63 A at 55 °C rated value 58 6 A at 60 °C rated value 58 6 A at 60 °C rated value 63 A at 65 °C rated value 54 2 A continuous current response value current aft 70 °C rated value 63 A at 70 °C rated value 63 A de rate value 63 A de rate value of instantaneous short-circuit trip unit maximum 600 A di finatinaneous short-circuit trip unit maximum 600 A di rated value 50 Hz 2 rated value 50 Hz 2 rated value 60 Hz 2 rated value 60 Hz 60	 insulation voltage rated value 	800 V
surge voltage resistance rated value 8 kV operating voltage • rated value maximum 690 V • for main current circuit at AC at 50 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for main current circuit at AC at 60 Hz maximum 690 V • for class Protection class IP protection function of the overcurrent release LI Current operational current • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 55 °C rated value 63 A • at 65 °C rated value 6	-	800 V
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• for main current circuit at DC maximum 500 V Protection class Protection class IP IP20 protection function of the overcurrent release LI Current 63 A • at 40 °C rated value 63 A • at 50 °C rated value 63 A • at 55 °C rated value 63 A • at 50 °C rated value 63 A • at 50 °C rated value 63 A • at 50 °C rated value 58.6 A • at 60 °C rated value 54.2 A • at 70 °C rated value 63 A • at 70 °C rated value 50 °C • of the current rated value 63 A • at 70 °C rated value 50 °C • of the current response value current 60 °C • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • 1 rated value 50 Hz • 2 rated value 50 Hz • 1 rated value 60 Hz	 for main current circuit at AC at 50 Hz maximum 	690 V
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protection class IP IP20 protection function of the overcurrent release LI 63 A • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 50 °C rated value 63 A • at 50 °C rated value 58.6 A • at 60 °C rated value 58.6 A • at 65 °C rated value 54.2 A • at 65 °C rated value 54.2 A • at 70 °C rated value 63 A • at 70 °C rated value 63 A • at 70 °C rated value 54.2 A • at 70 °C rated value 63 A • at 70 °C rated value 63 A • derating temperature for the rated value of the continuous current rated value of the continuous current rated value of the continuous current response value current 60 °C contract soft current-dependent overload release full-scale value • of instantaneous short-circuit trip unit minimum 600 A Main circuit 90 erating frequency • 1 rated value 50 °Lz • 2 rated value 60 Hz Auxiliary circuit 60 Hz Auxiliary circuit 60 Hz	 for main current circuit at DC maximum 	500 V
protection function of the overcurrent release LI Current Current operational current 63 A • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 50 °C rated value 58.6 A • at 60 °C rated value 58.6 A • at 60 °C rated value 54.2 A • at 65 °C rated value 54.2 A • at 70 °C rated value 63 A • at 65 °C rated value 54.2 A • at 70 °C rated value 50 °C continuous current rated value of the continuous current rated value of the continuous current 50 °C adjustable current response value current 63 A • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • 1 rated value 50 Hz • 2 rated value 60 Hz	Protection class	
Current operational current 63 A • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 50 °C rated value 63 A • at 50 °C rated value 58.6 A • at 65 °C rated value 54.2 A • at 65 °C rated value 54.2 A • at 70 °C rated value 54.2 A • at 70 °C rated value 50 °C • at 70 °C rated value 63 A • at 70 °C rated value 50 °C • at 70 °C rated value 63 A • at 70 °C rated value 63 A • at 70 °C rated value 50 °C • ating temperature for the rated value of the continuous current rated value current 63 A • of the current-dependent overload release full-scale value 60 A • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of atted value 50 Hz • 2 rated value 60 Hz Auxiliary circuit mumber of CO contacts for auxili	protection class IP	IP20
operational current 63 A • at 40 °C rated value 63 A • at 45 °C rated value 63 A • at 50 °C rated value 63 A • at 50 °C rated value 63 A • at 60 °C rated value 58.6 A • at 65 °C rated value 58.6 A • at 65 °C rated value 54.2 A • at 70 °C rated value 63 A • at 70 °C rated value 54.2 A • at 70 °C rated value 63 A • at 70 °C rated value 63 A • at 70 °C rated value 63 A derating temperature for the rated value of the continuous current 50 °C • of the current-dependent overload release full-scale value 63 A • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A Main circuit 50 Hz • 2 rated value 50 Hz • 2 rated value 60 Hz Auxiliary circuit 60 Hz	protection function of the overcurrent release	LI
• at 40 °C rated value63 A• at 45 °C rated value63 A• at 50 °C rated value63 A• at 55 °C rated value58.6 A• at 60 °C rated value58.6 A• at 65 °C rated value54.2 A• at 70 °C rated value63 A• at 70 °C rated value54.2 A• at 70 °C rated value63 A• of the current response value current63 A• of the current-dependent overload release full-scale value63 A• of instantaneous short-circuit trip unit minimum • of instantaneous short-circuit trip unit maximum600 A• 0 reating frequency • 1 rated value50 Hz• 2 rated value60 HzAuxiliary circuit60 Hz	Current	
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• at 55 °C rated value58.6 A• at 60 °C rated value58.6 A• at 65 °C rated value54.2 A• at 70 °C rated value54.2 A• at 70 °C rated value63 Aderating temperature for the rated value of the continuous current50 °Cadjustable current response value current63 A• of the current-dependent overload release full-scale value63 A• of instantaneous short-circuit trip unit minimum • of instantaneous short-circuit trip unit maximum600 A• operating frequency • 1 rated value50 °L• 1 rated value50 Hz• 2 rated value60 HzAuxiliary circuit0number of CO contacts for auxiliary contacts0	 at 45 °C rated value 	63 A
 at 60 °C rated value at 65 °C rated value at 70 °C rated value at 70 °C rated value at 70 °C rated value 54.2 A continuous current rated value 63 A derating temperature for the rated value of the continuous current adjustable current response value current of the current-dependent overload release full-scale value of instantaneous short-circuit trip unit minimum 600 A of instantaneous short-circuit trip unit maximum 600 A Main circuit operating frequency 1 rated value 2 rated value 60 Hz Auxiliary circuit number of CO contacts for auxiliary contacts 0 	 at 50 °C rated value 	63 A
• at 65 °C rated value54.2 A• at 70 °C rated value54.2 Acontinuous current rated value63 Aderating temperature for the rated value of the continuous current50 °Cadjustable current response value current63 A• of the current-dependent overload release full-scale value63 A• of instantaneous short-circuit trip unit minimum • of instantaneous short-circuit trip unit maximum600 A• of instantaneous short-circuit trip unit maximum60 Hz• Auxiliary circuit50 Hz• 1 rated value60 Hz• 2 rated value60 Hz• number of CO contacts for auxiliary contacts0	 at 55 °C rated value 	58.6 A
 at 70 °C rated value at 70 °C rated value 54.2 A continuous current rated value 63 A derating temperature for the rated value of the continuous current adjustable current response value current of the current-dependent overload release full-scale value of instantaneous short-circuit trip unit minimum 600 A of instantaneous short-circuit trip unit maximum 600 A of instantaneous short-circuit trip unit maximum 600 A Main circuit operating frequency 1 rated value 2 rated value 60 Hz Auxiliary circuit number of CO contacts for auxiliary contacts 0 	 at 60 °C rated value 	58.6 A
continuous current rated value 63 A derating temperature for the rated value of the continuous current 50 °C adjustable current response value current 63 A • of the current-dependent overload release full-scale value 63 A • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 Hz • 1 rated value 50 Hz • 2 rated value 60 Hz • Auxiliary circuit 60 Hz number of CO contacts for auxiliary contacts 0	 at 65 °C rated value 	54.2 A
derating temperature for the rated value of the continuous current 50 °C adjustable current response value current 63 A • of the current-dependent overload release full-scale value 63 A • of instantaneous short-circuit trip unit minimum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • of instantaneous short-circuit trip unit maximum 600 A • operating frequency • 1 rated value • 2 rated value 50 Hz • 2 rated value 60 Hz Auxiliary circuit 0	 at 70 °C rated value 	54.2 A
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• 2 rated value 60 Hz Auxiliary circuit number of CO contacts for auxiliary contacts 0		
Auxiliary circuit number of CO contacts for auxiliary contacts 0		
number of CO contacts for auxiliary contacts 0		60 Hz
	Auxiliary circuit	
number of NC contacts for auxiliary contacts		
	number of NC contacts for auxiliary contacts	0

number of NO contacts for auxiliary contacts	0
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current of the current- dependent overload release initial value	63 A
Product details	
product component	
• trip indicator	No
auxiliary switch	No
voltage trigger	No
undervoltage release	No
 undervoltage release with leading contact 	No
product extension optional motor drive	Yes
Product function	
product function	
 of thermal overload trip unit 	fixed
 grounding protection 	No
 for neutral conductors short-circuit and overload 	No
proof	
overload protection	Yes
Short circuit	
operating short-circuit current breaking capacity (Ics)	
 at 240 V rated value 	65 kA
 at 415 V rated value 	55 kA
at 500 V rated value	14 kA
• at 690 V rated value	4 kA
maximum short-circuit current breaking capacity (Icu)	
at 240 V rated value	65 kA
at 415 V rated value	55 kA
• at 440 V rated value	25 kA
 at 480 V according to NEMA rated value at 500 V rated value 	25 kA 18 kA
 at 600 V faced value at 600 V according to NEMA rated value 	8 kA
at 600 V rated value	8 kA
Connections	
arrangement of electrical connectors for main current	front side
circuit type of connectable conductor cross-sections for main	
contacts	
with flexible busbar	12 x 10 mm
• solid	2.5 95 mm ²
 finely stranded with core end processing 	2.5 50 mm ²
 stranded type of connectable conductor cross-sections for auxiliary contacts 	2.5 95 mm²
solid	0.75 1.5 mm²
 finely stranded with core end processing 	0,75 1.0 mm ²
type of electrical connection for main current circuit	box terminal
Mechanical Design	
height	157.5 mm
width	104.5 mm
depth	106.5 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature during operation	
• minimum	0 °C
• maximum	70 °C
ambient temperature during storage	
● minimum	-40 °C
• maximum	0° 08

General Product Approval

	<u>Confirmation</u>	<u>Miscellaneous</u>	<u>TSE</u>	<u>KC</u>	EHC
EMC	Declaration of Conformity		Test Certificates	Marine / Shipping	
C-Tick	UK CA	CE EG-Konf.	Special Test Certific- ate	ABS	BUREAU VERITAS
Marine / Shipping					other
Lloyd's Register urs	PRS	RINA	RARS	DIVI-GL DIVI-GL	<u>Miscellaneous</u>
other					
<u>Confirmation</u>	Environmental Con- firmations	<u>Miscellaneous</u>			
Further information					
http://www.siemens. Industry Mall (Onlin https://mall.industry.s	ownloadcenter (Catalog com/lowvoltage/catalogs ne ordering system) siemens.com/mall/en/en/(Catalog/product?mlfb			

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

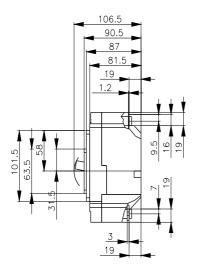
https://support.industry.siemens.com/cs/ww/en/ps/3VL1706-1DA33-0AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL1706-1DA33-0AA0

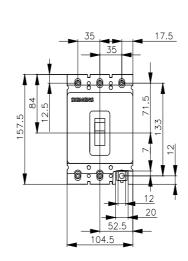
CAx-Online-Generator

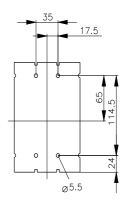
http://www.siemens.com/cax

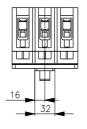
Tender specifications

http://www.siemens.com/specifications









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