SIEMENS

Data sheet

3WL1106-3CB35-1AA4-Z B06+K07

withdrawable circuit breaker without guide frame 3-pole, size I, IEC In=630A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 4NO+4NC B06= Rated current reference module 630 A for ETU25, 27, 45, 55, 75, 76 for setting rated current in K07= Tripped signaling contact, 1 CO not possible with option F02

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	1
utilization category	В
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
protection function of the overcurrent release	LSI
Dissipation	
power loss [W]	
 for rated value of the current / at AC / in hot operating state / per pole 	65 W
• maximum	195 W
Current	
operational current	
at 40 °C / rated value	630 A
at 45 °C / rated value	630 A
at 50 °C / rated value	630 A
at 55 °C / rated value	630 A
at 60 °C / rated value	630 A
• at 65 °C / rated value	630 A
at 70 °C / rated value	630 A
continuous current / rated value / maximum	630 A
continuous current / rated value	630 A
adjustable current response value current	
 of the current-dependent overload release / full- scale value 	630 A
• of instantaneous short-circuit trip unit / minimum	12 600 A
 of instantaneous short-circuit trip unit / maximum 	12 600 A
of instantaneous short-circuit trip unit / maximum Main circuit	12 600 A

• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	00112
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
Suitability	7
	Dignt / mater protection
suitability for use	Plant / motor protection
Adjustable parameters	
adjustable current response value current	700 A
of the short-time delayed short-circuit release / initial value	788 A
of the short-time delayed short-circuit release / full-scale value	7 560 A
adjustable current response value current / of the current- dependent overload release / initial value	252 A
Product details	
product component	
trip indicator	Yes
 voltage trigger 	No
undervoltage release	No
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	Yes
Product function	
product function	
 grounding protection 	No
 phase failure detection 	Yes
Display and operation	
display version	without display
Short circuit	
Short should	
breaking capacity operating short-circuit current (lcs)	
	66 kA
breaking capacity operating short-circuit current (lcs)	66 kA 66 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value	
breaking capacity operating short-circuit current (lcs) • at 415 V / rated value • at 500 V / rated value	66 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	66 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu)	66 kA 50 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	66 kA 50 kA 66 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value	66 kA 50 kA 66 kA
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breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current	66 kA 50 kA 66 kA 66 kA 50 kA
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation	66 kA 50 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm drawer unit
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm drawer unit
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breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm drawer unit -20 °C 70 °C
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage • minimum	66 kA 50 kA 66 kA 66 kA 50 kA without guide frame Blade contacts 411.5 mm 311 mm 337 mm drawer unit -20 °C 70 °C

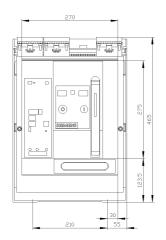
Industry Mall (Online ordering system)

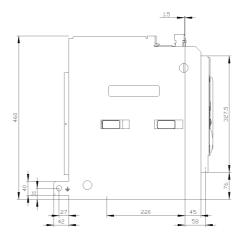
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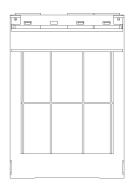
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

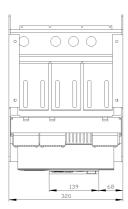
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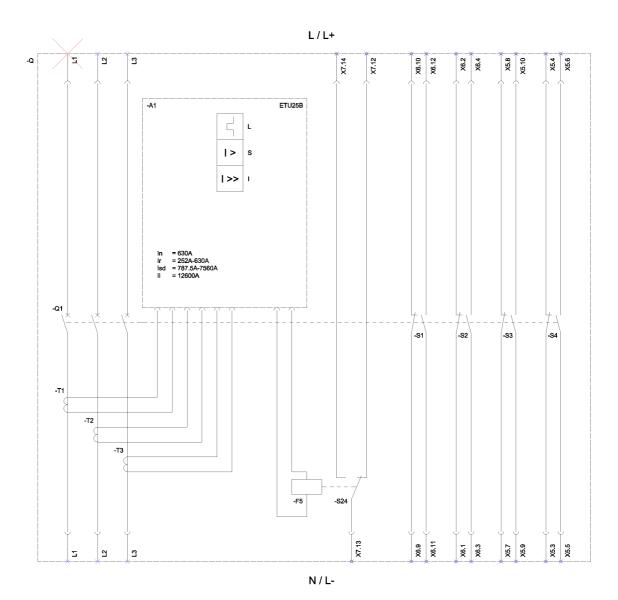
CAx-Online-Generator











L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter); S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgelöstmeldeschalter K07 (Reset Position));

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