

WITHDRAWABLE CIRCUIT BREAKER WITHOUT
GUIDE FRAME 3-POLE, SIZE II, IEC IN=1600A TO
690V, AC50/60HZ ICU=100KA AT 500V REAR
CONNECTION HORIZONTAL



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the auxiliary switch		2 NO + 2 NC
Design of the operating mechanism		Pushbutton
Type of the driving mechanism		Manual/motorized operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive		Yes
Design of the overcurrent release		ETU25B

General technical data		
Number of poles		3
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1216
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI

Dissipation		
Power loss [W]		
for rated value of the current / at AC / in hot operating state / per pole	W	58.7
maximum	W	175

Electricity		
Operating current / at 45 °C / rated value	A	1 600
Continuous current / rated value	A	1 600
Adjustable pick-up value current		
of the current-dependent overload release / Full-scale value	A	1 600
of instantaneous short-circuit trip unit / initial value	A	32 000
of instantaneous short-circuit trip unit / Full-scale value	A	32 000
Short-time current resistance (Icw)		
limited to 0.5 s / rated value	kA	100
limited to 2 s / rated value	kA	65
limited to 3 s / rated value	kA	50

Main circuit

Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690
Operating current		
• at 40 °C / rated value	A	1 600
• at 50 °C / rated value	A	1 600
• at 55 °C / rated value	A	1 600
• at 60 °C / rated value	A	1 600
• at 65 °C / rated value	A	1 600
• at 70 °C / rated value	A	1 600

Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		2
Number of NO contacts / for auxiliary contacts		2

Suitability		
Suitability for use		Plant / motor protection

Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	640

Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		Yes
Product extension / optional / motor drive		No

Product function		
Product function		
• Ground fault protection		No
• Phase failure detection		Yes

Display and operation		
Display version		without display

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	100

• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
• at 1000/1150 V / rated value	kA	50
Short-time current resistance (I_{cw}) / limited to 1 s / rated value	kA	85

Connections

Arrangement of electrical connectors / for main current circuit		without guide frame
Type of electrical connection / for main current circuit		Blade contacts

Mechanical Design

Height	mm	411.5
Width	mm	451
Depth	mm	337
Mounting type		drawer unit

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

Certificates

Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval		Declaration of Conformity	Test Certificates		Shipping Approval
			Special Test Certificate	Miscellaneous	
CCC	VDE	EG-Konf.			ABS

Shipping Approval					other
					Environmental Confirmations
BUREAU VERITAS	GL	LRS	PRS	RMRS	

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1216-4CB35-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-4CB35-4AN2>

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

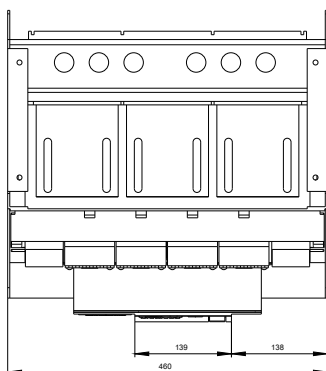
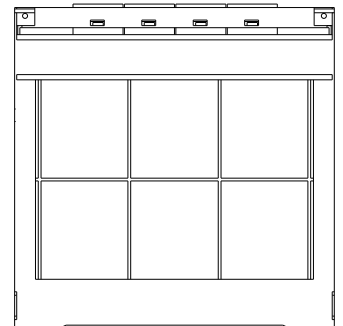
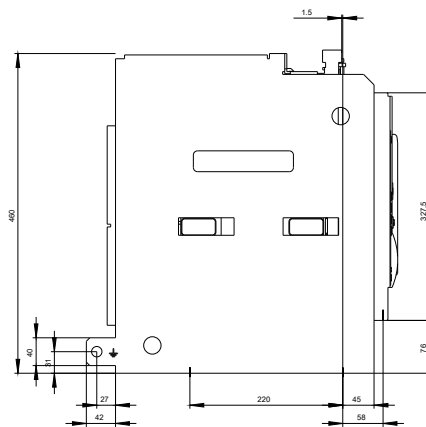
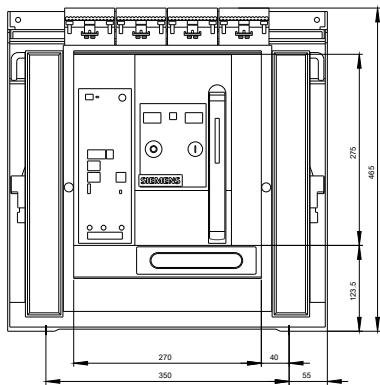
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-4CB35-4AN2

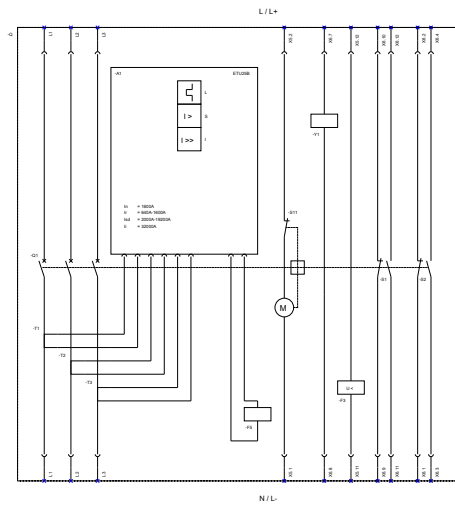
CAX-Online-Generator

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

Tender specifications

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





L: Long Time Delay / (Dauerzeitverzögerung) S: Short Time Delay / (Kurzzeitverzögerung) I: Instantaneous / (Kurzzeitverzögerung, unmittelbar)
 S17: Thermal relay (thermal switch) / (S17: Kurzzeitverzögerung / (Kurzzeitverzögerung, unmittelbar) / (Kurzzeitverzögerung, unmittelbar)
 P8: (Delayed for trip and / Auslöseverzögerung) S17: SR (Pushbutton switch / (Hilfsschalter)) Y1: (Delayed for trip and / Auslöseverzögerung)

last modified:

11/10/2017