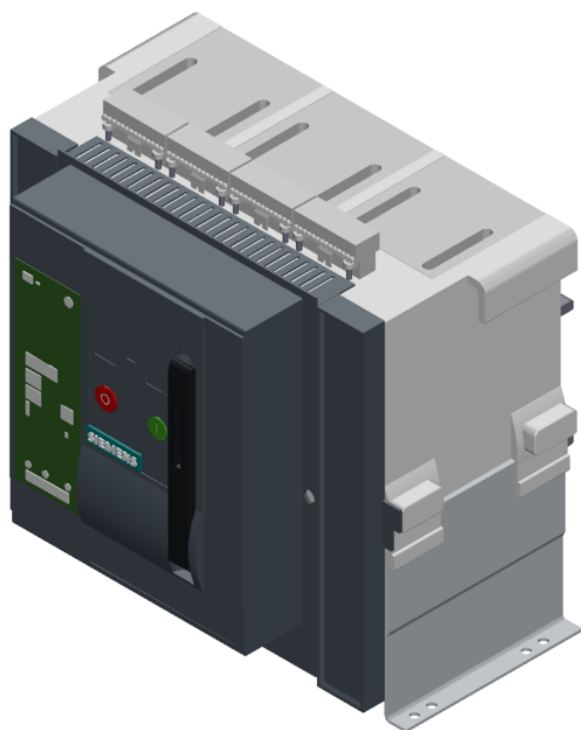


Fixed-mounted circuit breaker 3-pole, Size 2, IEC
In=2000 A to 690 V, 50/60 Hz AC Icu=66 kA at 500 V
Rear horizontal connection



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the product		IEC 60947-2
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		3WL1220
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	60

Electricity		
Operating current / at 45 °C / rated value	A	2 000
Continuous current / rated value	A	2 000
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	2 000
• of instantaneous short-circuit trip unit / initial value	A	40 000
• of instantaneous short-circuit trip unit / Full-scale value	A	40 000
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	66
• limited to 1 s / rated value	kA	55
• limited to 2 s / rated value	kA	39
• limited to 3 s / rated value	kA	32

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	2 000
• at 50 °C / rated value	A	2 000
• at 55 °C / rated value	A	2 000
• at 60 °C / rated value	A	2 000
• at 65 °C / rated value	A	2 000
• at 70 °C / rated value	A	2 000

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	800
--	---	-----

Product details

Product component		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
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	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	66

- at 500 V / rated value
- at 690 V / rated value

kA	66
kA	50

Connections

Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	440.5
Width	mm	460
Depth	mm	337
Mounting type		fixed mounting

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

Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

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

Shipping Approval					other
 BUREAU VERITAS	 GL	 LRS	 PRS	 RMRS	Environmental Con- firmations

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-2CB32-4GA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-2CB32-4GA2>

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

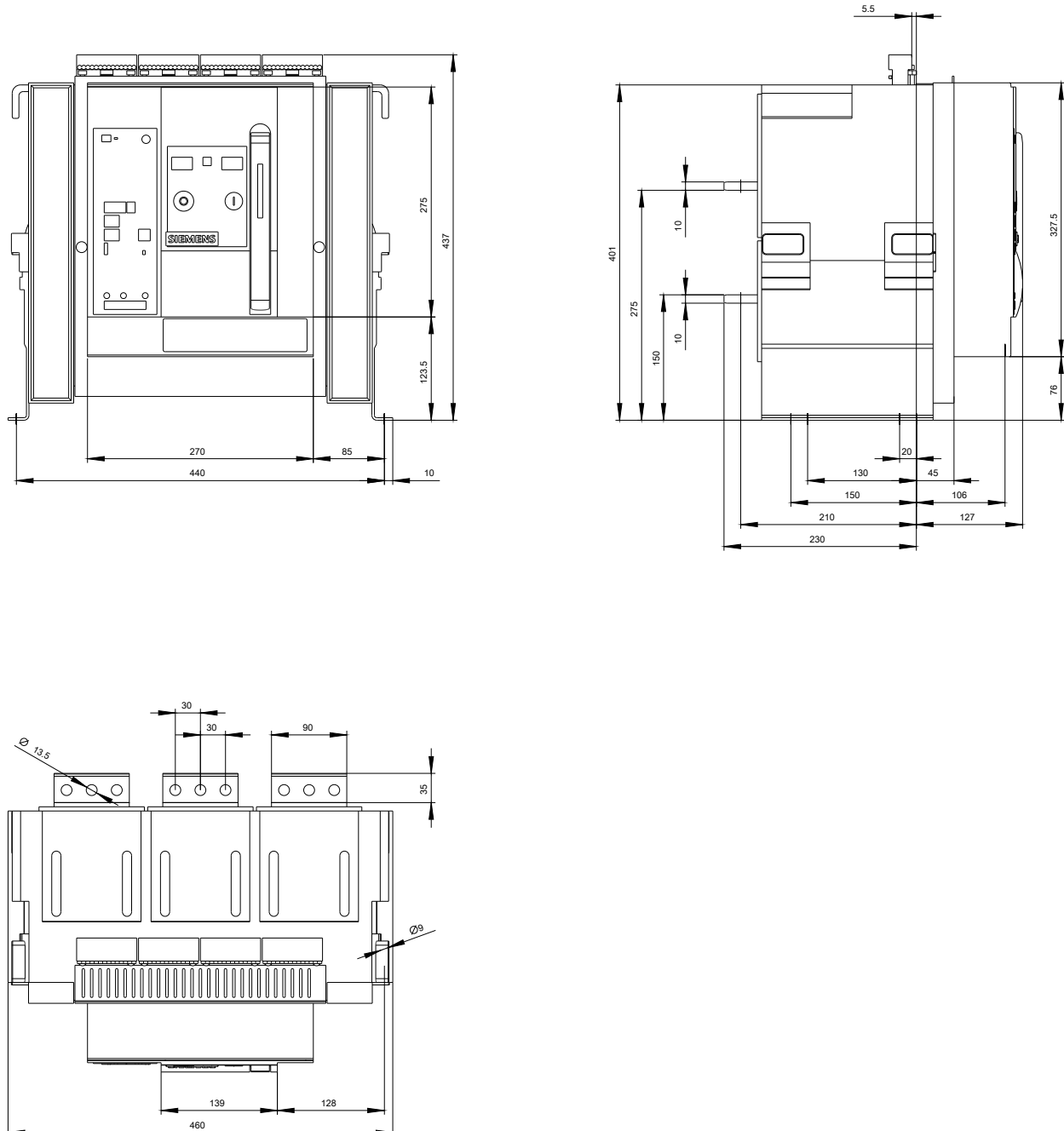
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-2CB32-4GA2

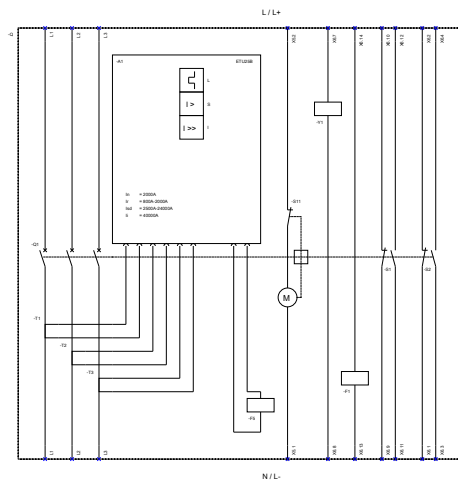
CAX-Online-Generator

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

Tender specifications

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





1: Long Time Delay / Überstromschutz, 2: Short Time Delay / Kurzstromschutz, kurzzeitverzüglich, 3: Undercurrent / Unterstromschutz, unverzüglich
 017: Internal reset, shutoff switch, if spring is tensioned / interner Mitlöschschalter, wenn Feder gespannt, 017: (1st auxiliary remote / Erster Hilfsauslöser)
 018: Plug-in for trip unit / Auslöseverriegelung, 017: (2nd auxiliary remote / Zweiter Hilfsauslöser), 017: (3rd auxiliary remote / Dritter Hilfsauslöser), 017: (4th auxiliary remote / Vierter Hilfsauslöser), 017: (5th auxiliary remote / Fünfter Hilfsauslöser), 017: (6th auxiliary remote / Sechster Hilfsauslöser), 017: (7th auxiliary remote / Siebter Hilfsauslöser), 017: (8th auxiliary remote / Achter Hilfsauslöser), 017: (9th auxiliary remote / Neunter Hilfsauslöser), 017: (10th auxiliary remote / Zehnter Hilfsauslöser)

last modified:

11/19/2018