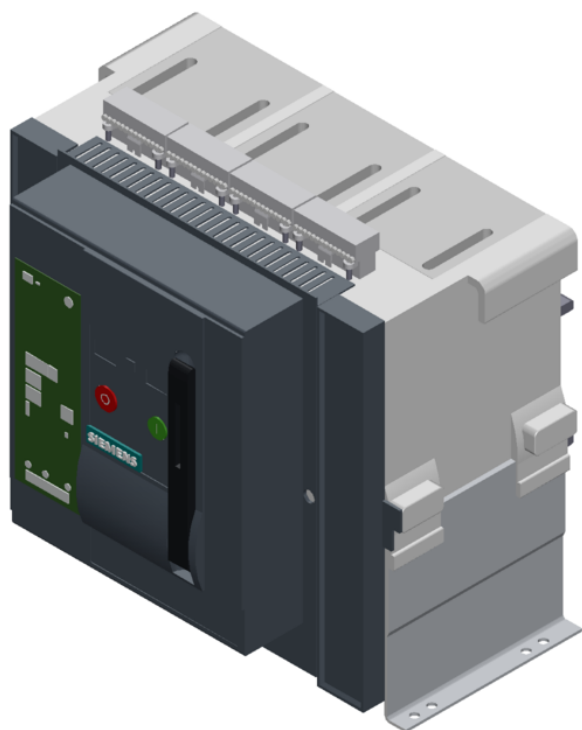


Fixed-mounted circuit breaker 3-pole, Size 2, IEC
In=1250 A up to 690 V, 50/60 Hz AC Icu=80 kA at 500 V
Rear horizontal connection



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		3WL1212
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	26.7
• maximum	W	80

Electricity		
Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	25 000
• of instantaneous short-circuit trip unit / Full-scale value	A	25 000
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	80
• limited to 2 s / rated value	kA	46
• limited to 3 s / rated value	kA	44

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	1 250
• at 50 °C / rated value	A	1 250
• at 55 °C / rated value	A	1 250
• at 60 °C / rated value	A	1 250
• at 65 °C / rated value	A	1 250
• at 70 °C / rated value	A	1 210

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

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

Product function		
Product function		
• Ground fault protection		No

Display and operation		
Display version		without display

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Short-time current resistance (Icw) / limited to 1 s / rated value	kA	66

Connections		
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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

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
 CCC	 VDE	 EG-Konf.	Miscellaneous Special Test Certificate  ABS

Shipping Approval	other
 BUREAU VERITAS	Environmental Confirmations
 GL	
 LRS	
 PRS	
 RMRS	

other
Miscellaneous

Further information

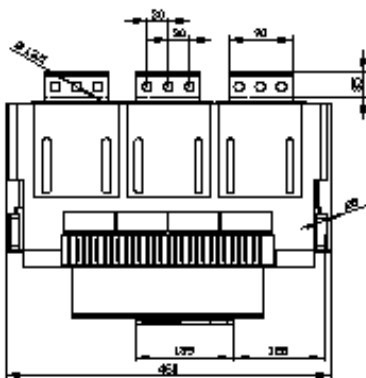
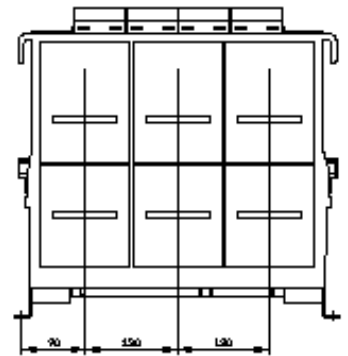
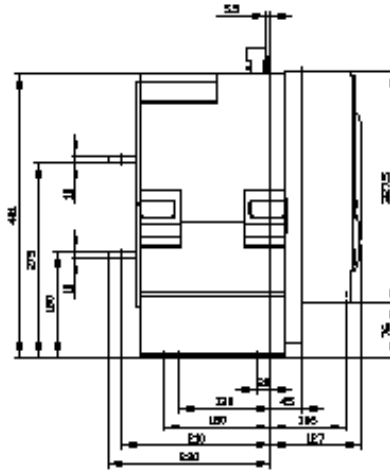
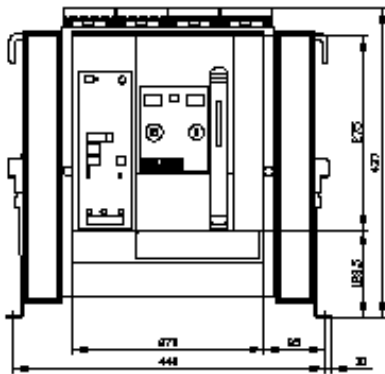
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1212-3CB32-4AA2-Z C01+C22+F31+K07>

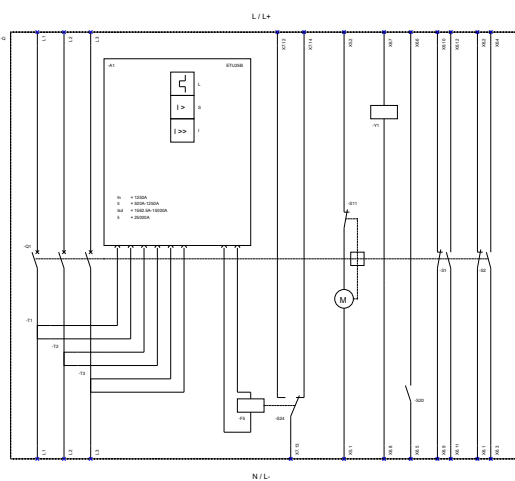
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-3CB32-4AA2-Z C01+C22+F31+K07>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-3CB32-4AA2-Z C01+C22+F31+K07

CAX-Online-Generator
<http://www.siemens.com/cax>

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





Long Time Delay / (Überstromschutz) S (Short Time Delay / Kurzstromschutz, kurzweiliger) I (Instantaneous / Kurzstromschutz, unverzögerter)
 11 (Interlocking device switch / Sperriegelmechanismus, wenn Freigegeben) 11 (Interlocking for trip unit / Auslöseverriegelung)
 11 (Auxiliary switch / Hilfskontakt) 11 (Ready to close signaling switch / Einschaltbereitschaftsschalter) 11 (Trip signaling switch / Fehler Anzeigeschalter K07)
 11 (Closing unit / Einschaltorgane)

last modified:

01/21/2018