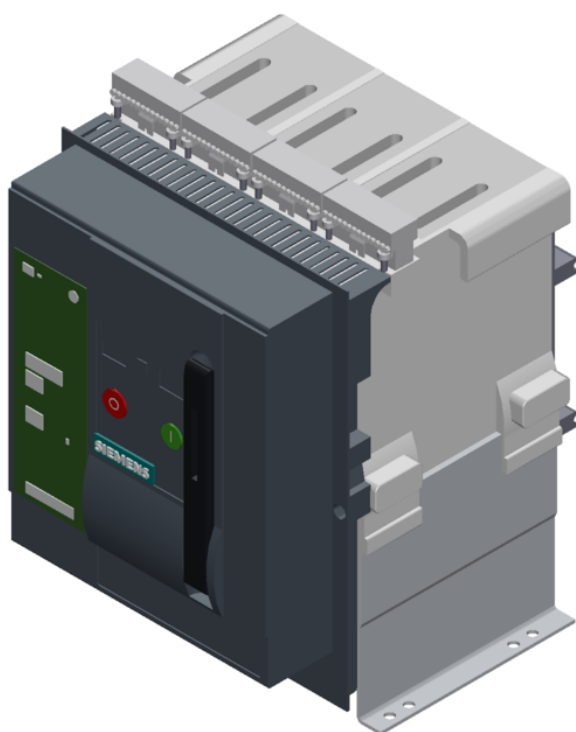


Fixed-mounted circuit breaker 3-pole, Size 1, IEC
In=1250 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V
Rear horizontal connection



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 operating mechanism with mechanical closing
Type of the driving mechanism / motor drive		No
Design of the overcurrent release		ETU15B

General technical data		
Number of poles		3
Size of the circuit-breaker		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1112
Mechanical service life (switching cycles) / typical		20 000

Voltage		
Rated insulation voltage U_i	V	1 000

Protection class		
Protection class IP		IP41
Protective function of the overcurrent release		LI

Dissipation		
Power loss [W]		
for rated value of the current / at AC / in hot operating state / per pole	W	35
maximum	W	105

Electricity		
Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Adjustable pick-up value current		
of the current-dependent overload release / Full-scale value	A	1 250
of instantaneous short-circuit trip unit / initial value	A	2 500
of instantaneous short-circuit trip unit / Full-scale value	A	10 000
Short-time current resistance (I _{cw})		
limited to 0.5 s / rated value	kA	55
limited to 2 s / rated value	kA	29.5
limited to 3 s / rated value	kA	24

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		system protection

Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	625

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

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

Display and operation		
Display version		without display

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	55

• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
Short-time current resistance (I_{cw}) / limited to 1 s / rated value	kA	42

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	439.5
Width	mm	320
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
			Miscellaneous	Special Test Certificate	
CCC	VDE	EG-Konf.			ABS

Shipping Approval					
					
BUREAU VERITAS	DNV	GL	LRS	PRS	RMRS

other	
Environmental Confirmations	Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2BB32-1AN2-Z T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2BB32-1AN2-Z T40>

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

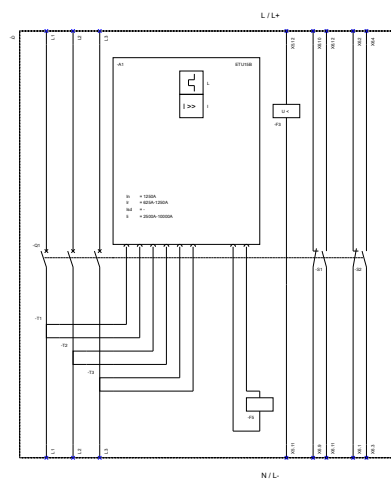
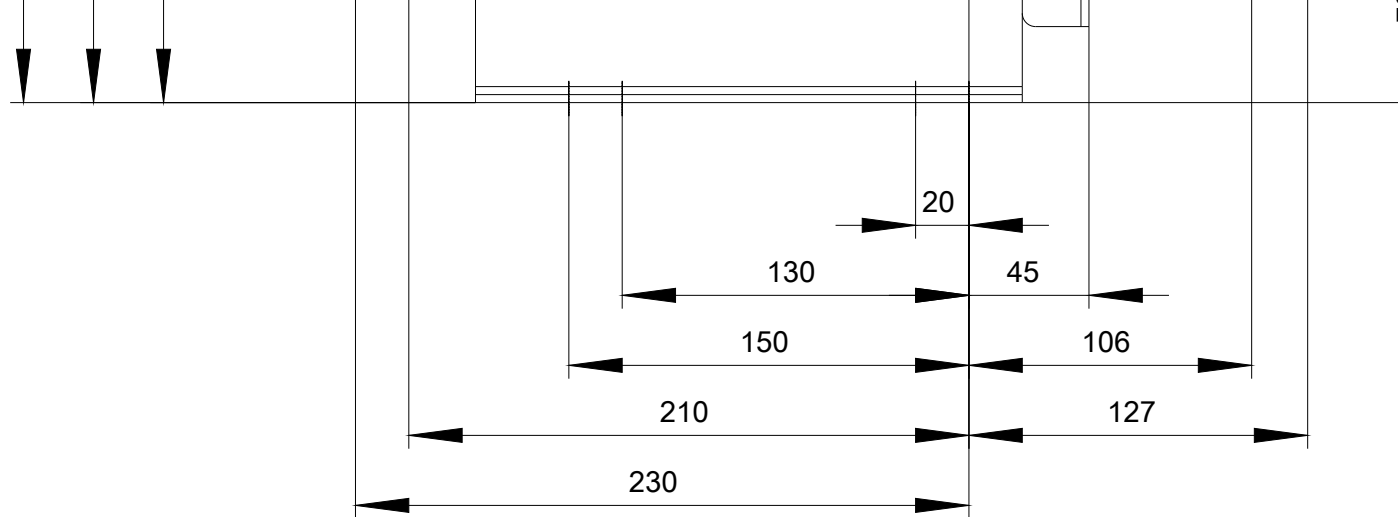
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2BB32-1AN2-Z T40

CAX-Online-Generator

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

Tender specifications

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



1.1 Long Time Delay (Überstromschutz) 1.2 Short-circuit protection (Kurzschlussschutz, versenkig) 1.3 Short-circuit release (Unterbrechungsschalter)
 1.4 (Release for top unit) (Freilassungsgang) 1.5 (Auxiliary switch) (Hilfsschalter)

last modified:

11/10/2017