





fixed-mounted circuit breaker 3-pole, size II, IEC In=3200A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU45 LSIN protection adjustable 0.4-1 in with display and cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load factor without 2nd auxiliary release 2NO+2NC

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/motorized operating mechanism with mechanical and electrical closing
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U _i	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	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	136.7 W
• maximum	410 W
Current	
operational current	
• at 40 °C / rated value	3 200 A
• at 45 °C / rated value	3 200 A
• at 50 °C / rated value	3 200 A
• at 55 °C / rated value	3 200 A
continuous current / rated value / maximum	3 200 A
continuous current / rated value	3 200 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	3 200 A
• of instantaneous short-circuit trip unit / minimum	4 800 A
• of instantaneous short-circuit trip unit / maximum	38 400 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz

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 current response value current						
• of the L-trip / with I4t characteristic / initial value	1 280 A					
• of the L-trip / with I4t characteristic / full-scale value	3 200 A					
adjustable current response value current / of the current-dependent overload release / initial value	1 250 A					
Product details						
product component						
• trip indicator	Yes					
• voltage trigger	Yes					
• undervoltage release	No					
design of the auxiliary switch	2 NO + 2 NC					
product extension / optional / motor drive	No					
Product function						
product function						
• grounding protection	No					
• phase failure detection	Yes					
Display and operation						
display version	WITH 4-LINE DISPLAY					
Short circuit						
breaking capacity operating short-circuit current (Ics)						
• at 415 V / rated value	80 kA					
• at 500 V / rated value	80 kA					
• at 690 V / rated value	75 kA					
breaking capacity maximum short-circuit current (Icu)						
• at 415 V / rated value	80 kA					
• at 500 V / rated value	80 kA					
• at 690 V / rated value	75 kA					
Connections						
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal					
type of electrical connection / for main current circuit	busbar connection					
Mechanical Design						
height	440.5 mm					
width	460 mm					
depth	337 mm					
fastening method	fixed mounting					
Environmental conditions						
ambient temperature / during operation						
• minimum	-20 °C					
• maximum	55 °C					
ambient temperature / during storage						
• minimum	-40 °C					
• maximum	70 °C					
General Product Approval		EMC	Declaration of Conformity	Test Certificates		
				UK Declaration of Conformity		Special Test Certificate
ccc		RCM	EG-Konf.			
Test Certificates		Marine / Shipping				

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

Dangerous Good

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-3FB32-5FA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-3FB32-5FA2>

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

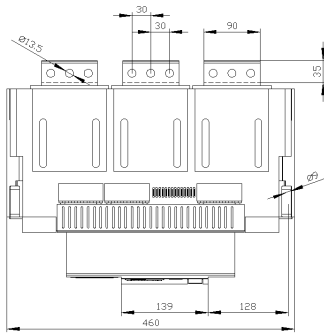
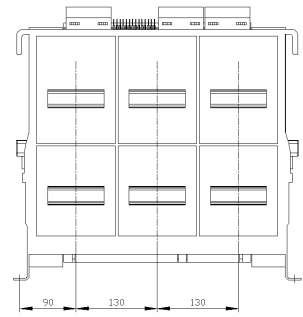
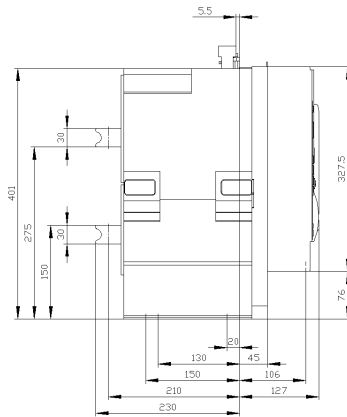
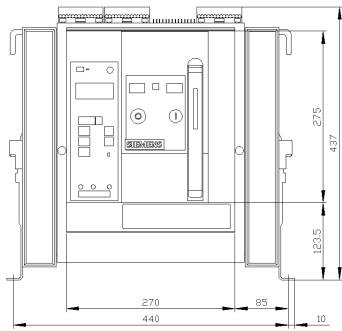
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3FB32-5FA2

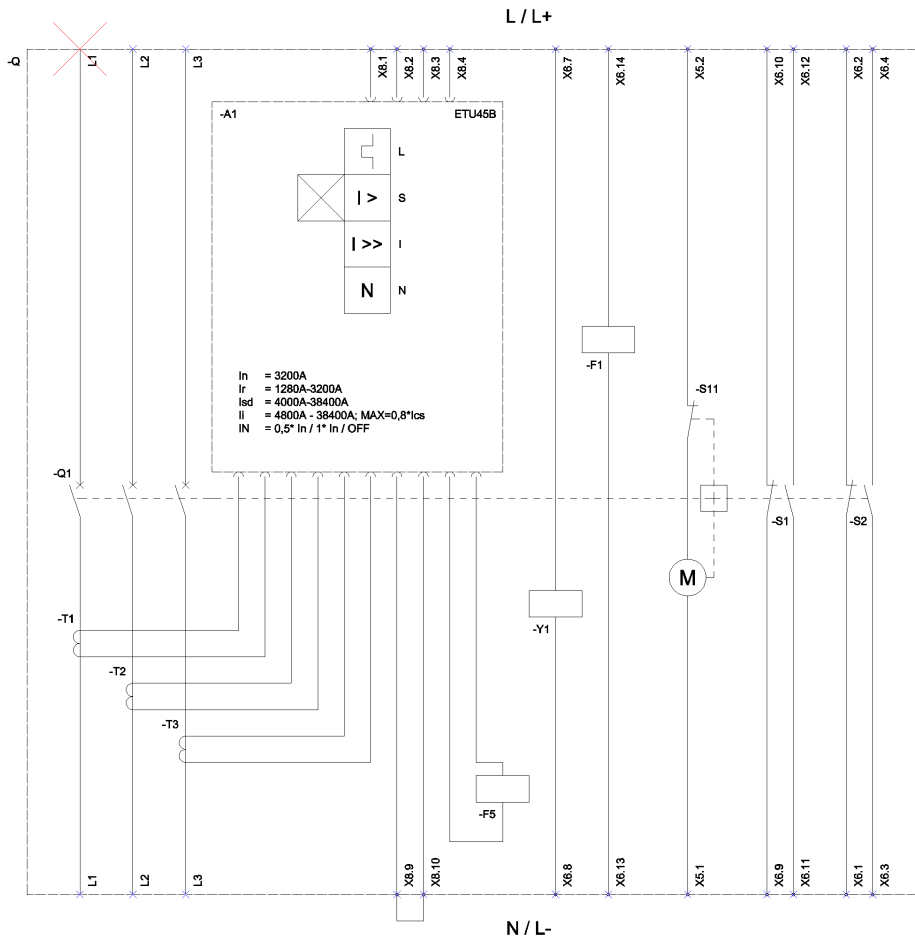
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlusschutz, unverzögert);
 N (Neutral Protection / Neutralleiterschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt);
 F1 (1st auxiliary release / Erster Hilfsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/11/2020 

