

withdrawable circuit breaker without guide frame 3-pole, size II, IEC
 $I_n=3200\text{A}$ to 690V, AC50/60Hz $I_{cu}=80\text{kA}$ at 500V rear connection
 horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1
 in with display and cubicle bus with ground fault protection Opt.:
 Comm./measuring func./ZSS With manual operating mechanism with
 storage with mechanical request With 1st auxiliary release Shunt release
 "F", F1 50/60 Hz 230 V AC/220 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 operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
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	LSING
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	236.7 W
• maximum	710 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 • of the L-trip / with I4t characteristic / full-scale value	1 280 A 3 200 A				
adjustable current response value current / of the current-dependent overload release / initial value	1 280 A				
Product details					
product component • trip indicator • voltage trigger • undervoltage release	Yes Yes No				
design of the auxiliary switch	2 NO + 2 NC				
product extension / optional / motor drive	Yes				
Product function					
product function • grounding protection • phase failure detection	Yes Yes				
Display and operation					
display version	WITH 4-LINE DISPLAY				
Short circuit					
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 kA				
breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 kA				
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	411.5 mm				
width	451 mm				
depth	337 mm				
fastening method	drawer unit				
Environmental conditions					
ambient temperature / during operation • minimum • maximum	-20 °C 55 °C				
ambient temperature / during storage • minimum • maximum	-40 °C 70 °C				
General Product Approval	EMC	Declaration of Conformity	Test Certificates		
 CCC	 EAC	 RCM	 EG-Konf.	UK Declaration of Conformity	Miscellaneous
Test Certificates	Marine / Shipping				

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Miscellaneous](#)

[Confirmation](#)

[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=3WL1232-3FG35-1GA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-3FG35-1GA2>

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

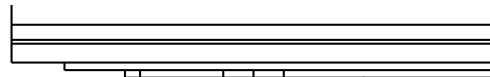
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3FG35-1GA2

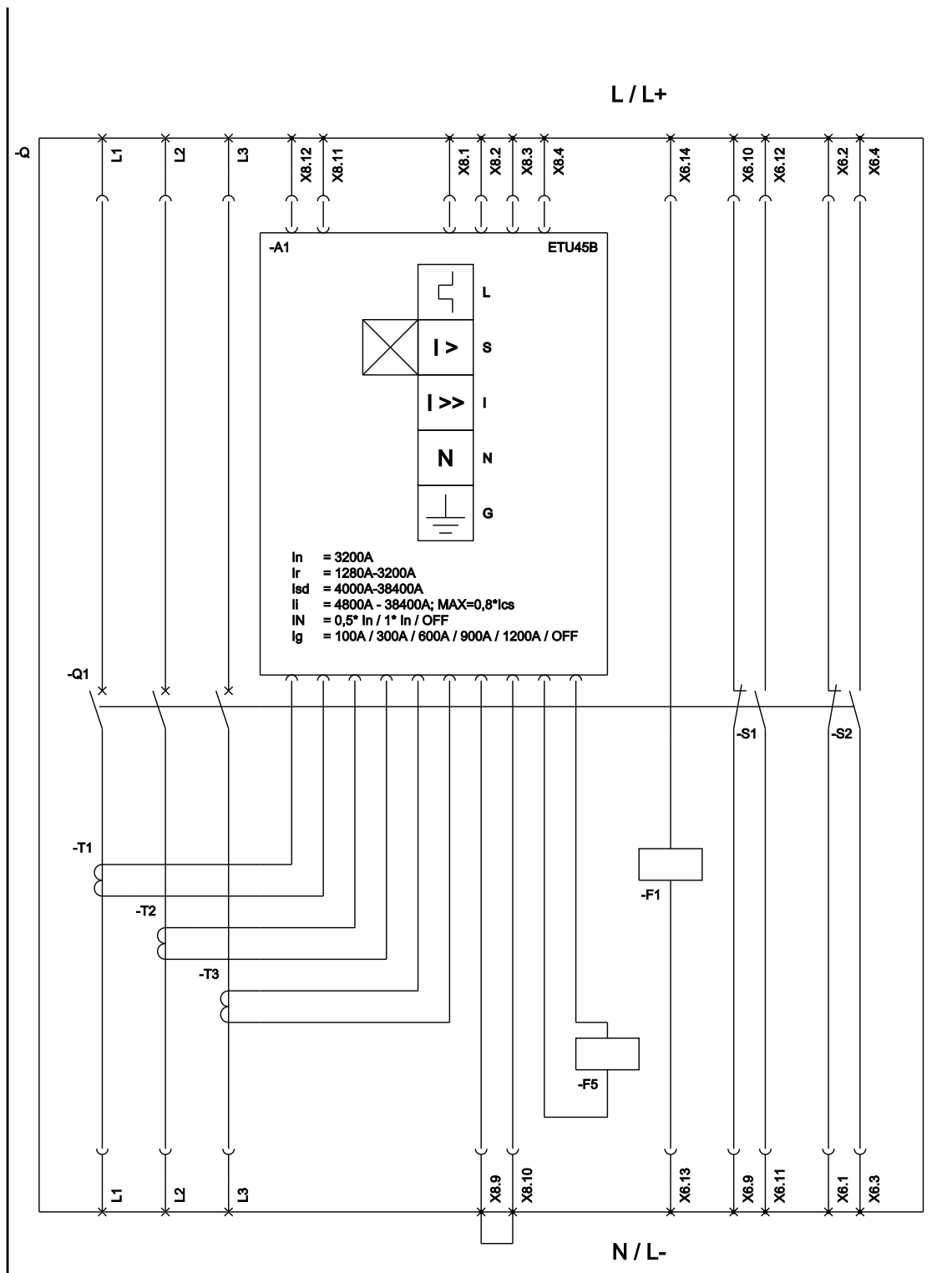
CAX-Online-Generator

<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); G (Ground Fault Protection / Erdschlussschutz);
 F1 (Instantaneous / Kurzschlusschutz, unverzögert); F5 (Instantaneous / Kurzschlusschutz, unverzögert); S1 (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert); S2 (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert).

last modified:

3/10/2022

