

fixed-mounted circuit breaker 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release 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	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	90 W
• maximum	270 W
Current	
operational current	
• at 40 °C / rated value	2 500 A
• at 45 °C / rated value	2 500 A
• at 50 °C / rated value	2 500 A
• at 55 °C / rated value	2 500 A
• at 60 °C / rated value	2 500 A
• at 65 °C / rated value	2 500 A
• at 70 °C / rated value	2 280 A
continuous current / rated value / maximum	2 500 A
continuous current / rated value	2 500 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / minimum	50 000 A
• of instantaneous short-circuit trip unit / maximum	50 000 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			
Product details				
product component				
• trip indicator	Yes			
• voltage trigger	No			
• undervoltage release	No			
design of the auxiliary switch	2 NO + 2 NC			
product extension / optional / motor drive	Yes			
Product function				
product function				
• grounding protection	No			
• phase failure detection	Yes			
Display and operation				
display version	without 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	70 °C			
ambient temperature / during storage				
• minimum	-40 °C			
• maximum	70 °C			
General Product Approval		EMC	Declaration of Conformity	

[Confirmation](#)



Test Certificates

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[Miscellaneous](#)



Marine / Shipping

other



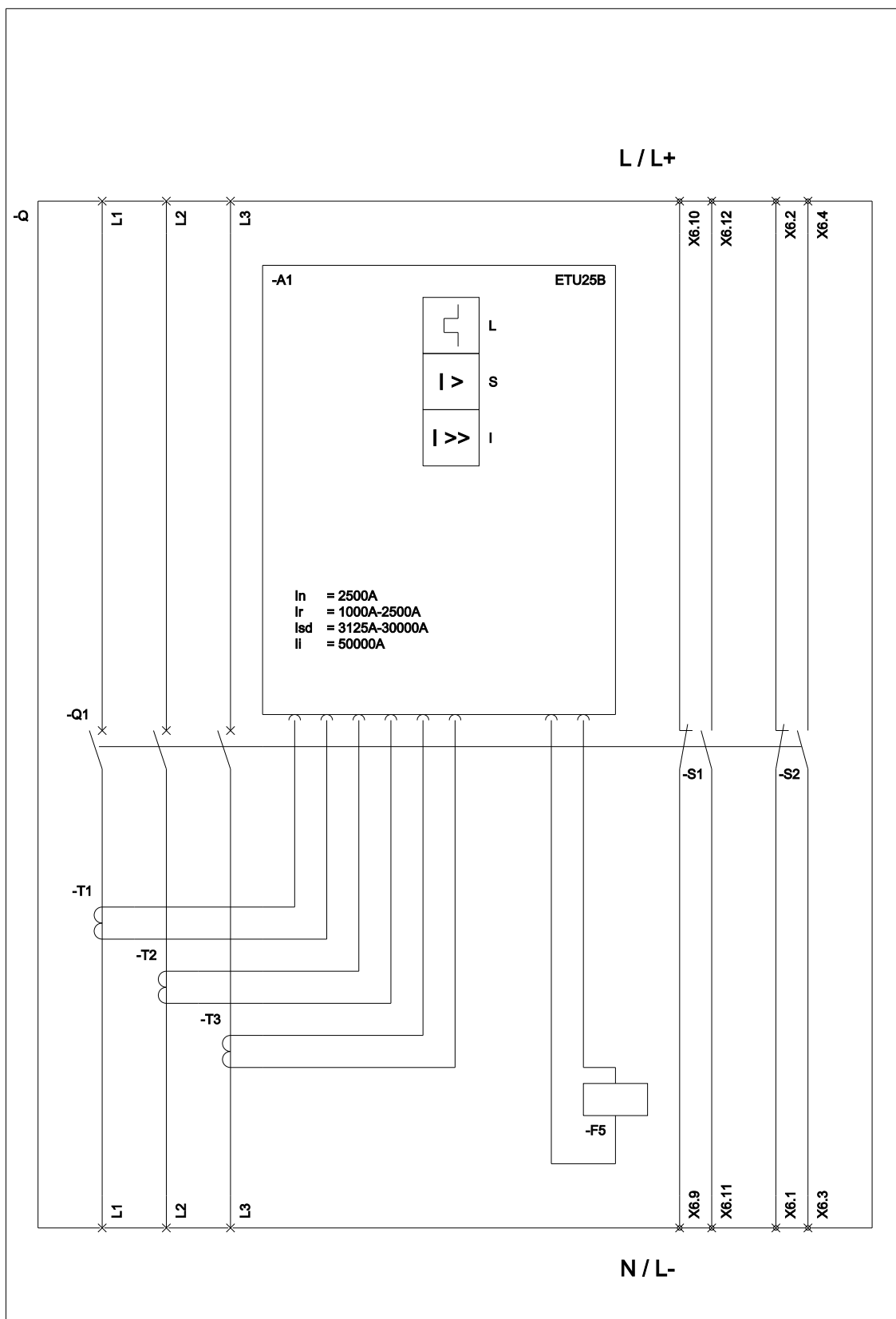
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[Confirmation](#)

[Environmental Conformations](#)

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L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
 I (Instantaneous / Kurzschlusschutz, unverzögert); F5 (Maglatch for trip unit / Auslösemagnet);
 S1 - S8 (Auxiliary switch / Hilfschalter);

last modified:

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