

Fixed-mounted circuit breaker 4-pole, Size 1, IEC In=1000 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 4NO+4NC

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	ETU25B
General technical data	
number of poles	4
size of the circuit-breaker	1
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	33.3 W
• maximum	100 W
Current	
operational current	
• at 40 °C / rated value	1 000 A
• at 45 °C / rated value	1 000 A
• at 50 °C / rated value	1 000 A
• at 55 °C / rated value	1 000 A
• at 60 °C / rated value	1 000 A
• at 65 °C / rated value	1 000 A
• at 70 °C / rated value	1 000 A
continuous current / rated value / maximum	1 000 A
continuous current / rated value	1 000 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 000 A
• of instantaneous short-circuit trip unit / minimum	20 000 A
• of instantaneous short-circuit trip unit / maximum	20 000 A
Main circuit	

operating frequency			
• 1 / rated value	50 Hz		
• 2 / rated value	60 Hz		
<b>Auxiliary circuit</b>			
number of NC contacts / for auxiliary contacts	4		
number of NO contacts / for auxiliary contacts	4		
<b>Suitability</b>			
suitability for use	Plant / motor protection		
<b>Adjustable parameters</b>			
adjustable current response value current / of the current-dependent overload release / initial value	400 A		
<b>Product details</b>			
product component			
• trip indicator	Yes		
• voltage trigger	Yes		
• undervoltage release	Yes		
design of the auxiliary switch	4 NO + 4 NC		
product extension / optional / motor drive	No		
<b>Product function</b>			
product function			
• grounding protection	No		
• phase failure detection	Yes		
<b>Display and operation</b>			
display version	without display		
<b>Short circuit</b>			
breaking capacity operating short-circuit current (Ics)			
• at 415 V / rated value	55 kA		
• at 500 V / rated value	55 kA		
• at 690 V / rated value	42 kA		
breaking capacity maximum short-circuit current (Icu)			
• at 415 V / rated value	55 kA		
• at 500 V / rated value	55 kA		
• at 690 V / rated value	42 kA		
<b>Connections</b>			
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal		
type of electrical connection / for main current circuit	busbar connection		
<b>Mechanical Design</b>			
height	439.5 mm		
width	410 mm		
depth	337 mm		
fastening method	fixed mounting		
<b>Environmental conditions</b>			
ambient temperature / during operation			
• minimum	-40 °C		
• maximum	70 °C		
ambient temperature / during storage			
• minimum	-40 °C		
• maximum	80 °C		
<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
 CCC	 EAC	 RCM	 <a href="#">UK Declaration of Conformity</a>
		 EG-Konf.	 <a href="#">Special Test Certificate</a>
<b>Test Certificates</b>	<b>Marine / Shipping</b>		

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)



**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=3WL1110-2CB72-4GN4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2CB72-4GN4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1110-2CB72-4GN4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2CB72-4GN4)

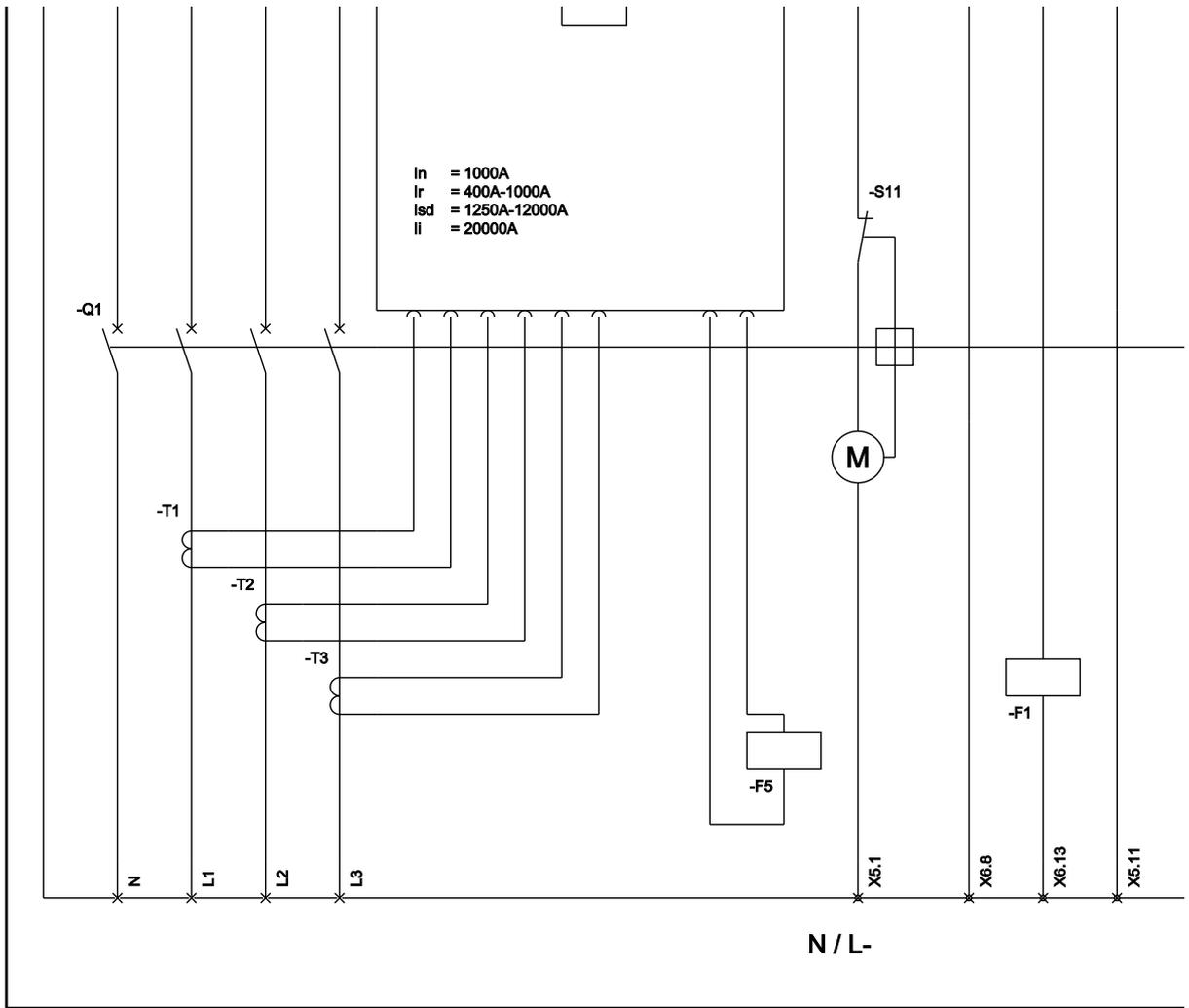
**CAX-Online-Generator**

<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);  
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser); F3 (Undervoltage release / Unterspannungsauslöser)

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