

fixed-mounted circuit breaker 3-pole, size III, IEC In=4000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal

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	3
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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	173.3 W
• maximum	520 W
Current	
continuous current / rated value / maximum	4 000 A
continuous current / rated value	4 000 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / initial value	50 000 A
• of instantaneous short-circuit trip unit / full-scale value	50 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °C / rated value	4 000 A
• at 50 °C / rated value	4 000 A
• at 55 °C / rated value	4 000 A
• at 60 °C / rated value	4 000 A
• at 65 °C / rated value	4 000 A
• at 70 °C / rated value	4 000 A
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	
<ul style="list-style-type: none"> <li>• trip indicator</li> <li>• voltage trigger</li> <li>• undervoltage release</li> </ul>	Yes No No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
<ul style="list-style-type: none"> <li>• grounding protection</li> <li>• phase failure detection</li> </ul>	No Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	100 kA 100 kA 85 kA
<ul style="list-style-type: none"> <li>• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value</li> <li>• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value</li> <li>• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value</li> </ul>	100 kA 100 kA 85 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	439 mm
width	704 mm
depth	337 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-20 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-40 °C 70 °C
Certificates	
reference code	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to IEC 81346-2</li> </ul>	Q Q

#### Further information

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4CB32-1AA2>

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

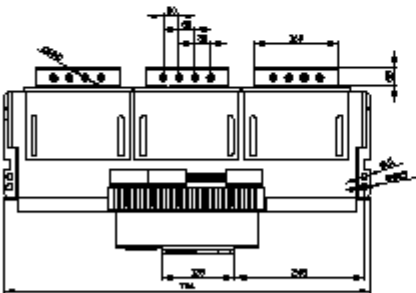
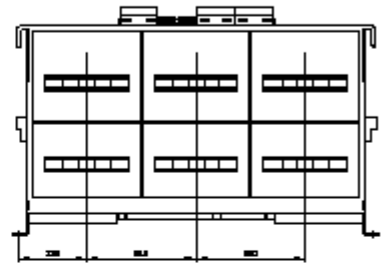
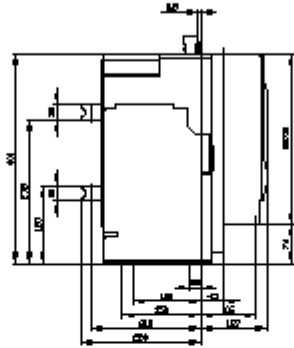
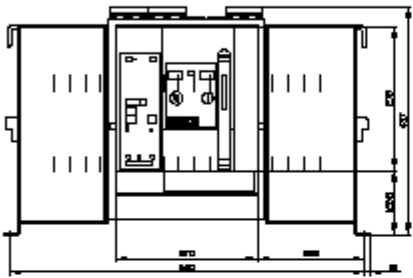
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4CB32-1AA2>

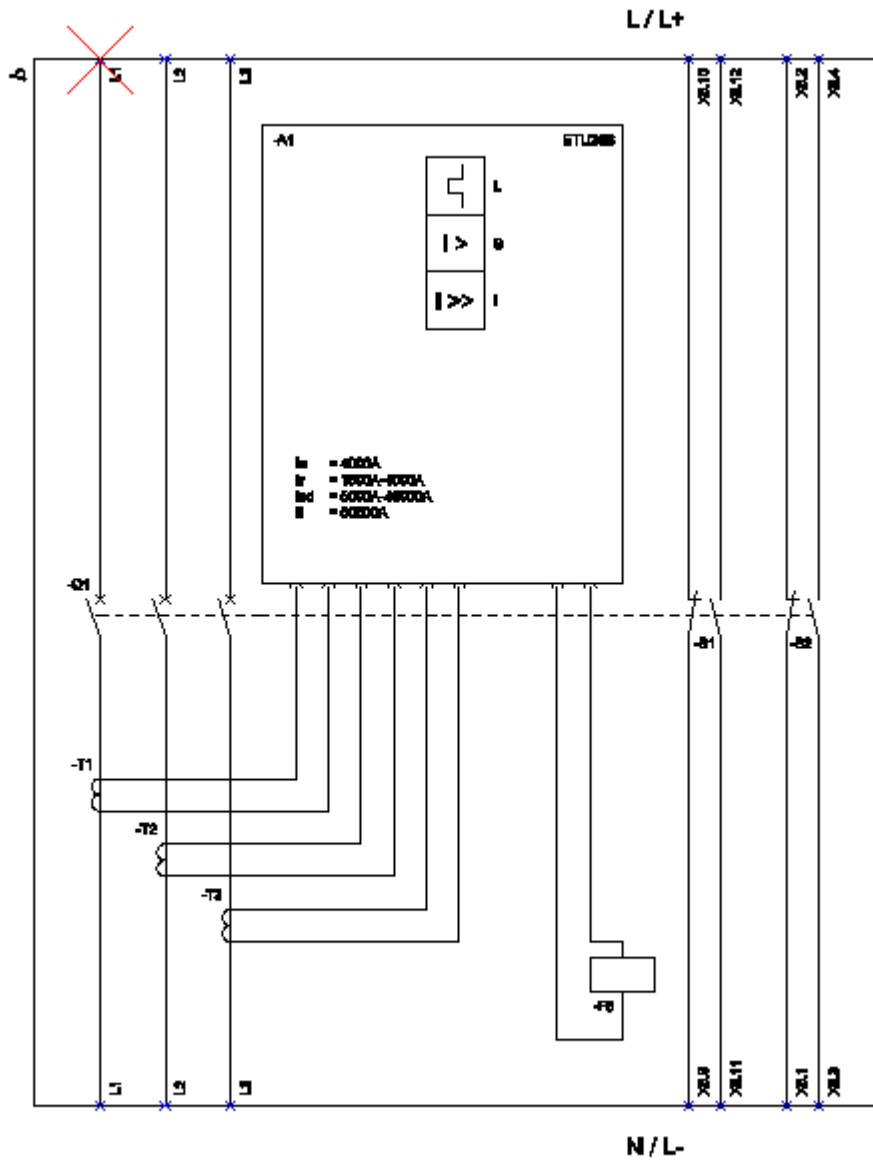
##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1340-4CB32-1AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4CB32-1AA2)

##### Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, Kurzzeitversögert);  
 I (Instantaneous / Kurzschlussschutz, unversögert); F3 (Reset for trip unit / Anmeldezeit);  
 S1 - S8 (Auxiliary switch / Hilfschalter);

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