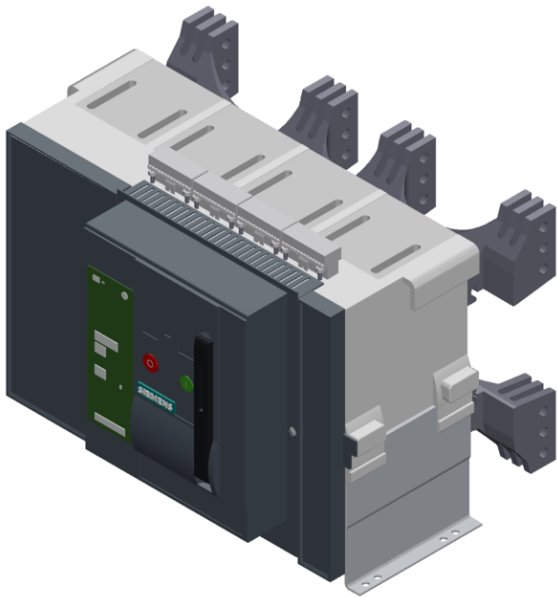


fixed-mounted circuit breaker 4-pole, size II, IEC In=4000A to 690V, AC50/60Hz Icu=66kA at 500V rear connection vertical Overcurrent release ETU 15 LI protection adjustable 0.5-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the auxiliary switch	2 NO + 2 NC
Design of the product	IEC 60947-2
Design of the operating mechanism	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	ETU15B
<b>General technical data</b>	
Number of poles	4
Size of the circuit-breaker	2
Electrical endurance (switching cycles) / typical	15 000
Usage category	B
circuit-breaker / Design	3WL1
Mechanical service life (switching cycles) / typical	15 000
<b>Voltage</b>	
Rated insulation voltage Ui	1 000 V
<b>Protection class</b>	
Protection class IP	IP20
Protective function of the overcurrent release	LI
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	250 W
<b>Electricity</b>	
Operating current / at 45 °C / rated value	4 000 A
Continuous current / rated value	4 000 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	4 000 A
• of instantaneous short-circuit trip unit / initial value	8 000 A
• of instantaneous short-circuit trip unit / Full-scale value	32 000 A
Short-time current resistance (Icw)	
• limited to 0.5 s / rated value	66 kA
• limited to 1 s / rated value	55 kA
• limited to 2 s / rated value	39 kA
• limited to 3 s / rated value	32 kA
<b>Main circuit</b>	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Operating current	
• at 40 °C / rated value	4 000 A
• at 50 °C / rated value	3 950 A

• at 55 °C / rated value	3 950 A
• at 60 °C / rated value	3 810 A
• at 65 °C / rated value	3 810 A
• at 70 °C / rated value	3 600 A

#### Auxiliary circuit

Number of NC contacts / for auxiliary contacts	2
Number of NO contacts / for auxiliary contacts	2

#### Suitability

Suitability for use	system protection
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#### Adjustable parameters

Adjustable pick-up value current / of the current-dependent overload release / initial value	2 000 A
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#### Product details

Product component	
• Trip indicator	Yes
• Voltage trigger	No
• undervoltage release	No
Product extension / optional / motor drive	Yes

#### Product function

Product function	
• Ground fault protection	No
• Phase failure detection	No

#### Display and operation

Display version	without display
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#### Short circuit

Operational short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA

#### Mechanical Design





Height	440.5 mm
Width	590 mm
Depth	419 mm




#### Environmental conditions

Ambient temperature	-20 ... +70 °C
	-40 ... +70 °C

### Certificates

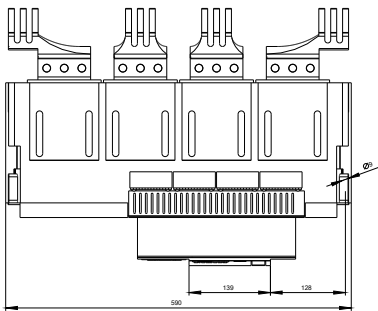
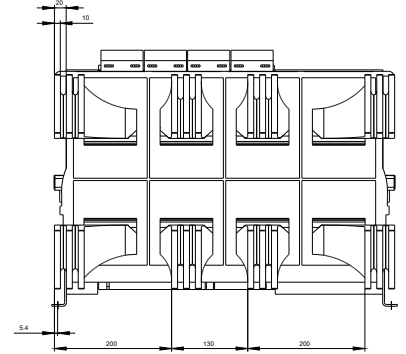
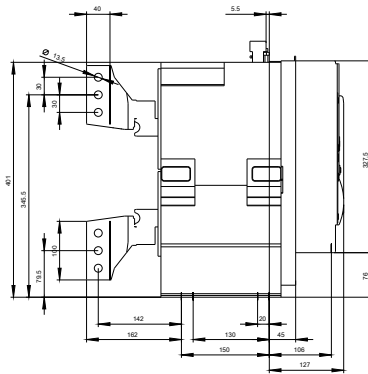
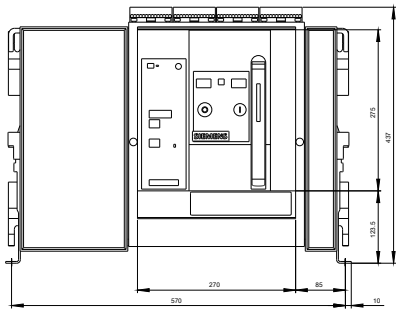
Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

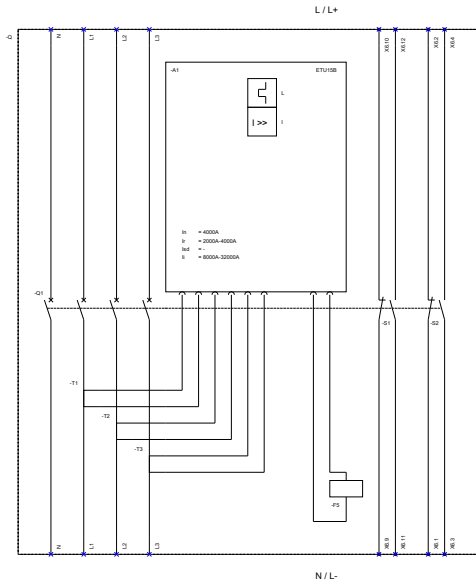
General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 EG-Konf.	<a href="#">Special Test Certificate</a>	<a href="#">Miscellaneous</a>
			 ABS  BUREAU VERITAS

Shipping Approval	other
 LRS  PRS  RMRS	<a href="#">Environmental Conformations</a> <a href="#">Manufacturer Declaration</a> <a href="#">Miscellaneous</a>

### Further information

- Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3WL1240-2BB41-1AA2>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1240-2BB41-1AA2>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3WL1240-2BB41-1AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3WL1240-2BB41-1AA2)
- CAX-Online-Generator**  
<http://www.siemens.com/cax>
- Tender specifications**  
<http://www.siemens.com/specifications>





L (Long Time Delay / Überlastschutz); I (Instantaneous / Kurzschlussschutz, unverzögert); FS (Magleich for trip unit / Auslöseorgan);  
 S1 - S4 (Auxiliary switch / Hilfschalter);

**last modified:**

06/29/2019