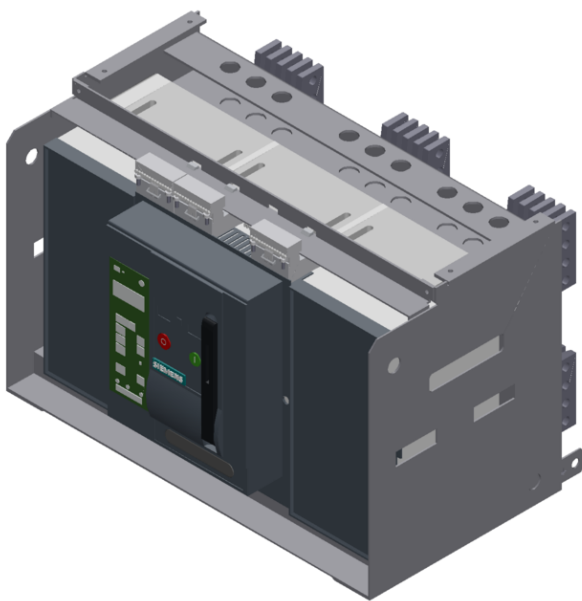


withdrawable circuit breaker with guide frame 3-pole, size III, IEC
In=6300A to 690V, AC50/60Hz Icu=100kA at 500V rear connection
vertical Overcurrent release ETU 45 LSING protection adjustable
0.4-1 in with cubicle bus and Ground fault protection Opt.:
Comm./measuring func./ZSS Motorized/manual operating
mechanism with spring charging motor AC 50/60 Hz 110-127 V AC
or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st
auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC,
100% on-load factor With 2nd auxiliary release "RC", F4
Undervoltage, Delay 0.2-3.2s 110-127 V AC, 110-125 V DC, 100%
ED 4NO+4NC



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the auxiliary switch	4 NO + 4 NC
Design of the product	IEC 60947-2
Design of the operating mechanism	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	ETU45B

General technical data

Number of poles	3
Size of the circuit-breaker	3
Usage category	B
circuit-breaker / Design	3WL1

Voltage

Rated insulation voltage U_i	1 000 V
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Protection class

Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LSING

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	533.3 W
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Electricity

Operating current / at 45 °C / rated value	6 300 A
Continuous current / rated value	6 300 A
Adjustable pick-up value current	
• of instantaneous short-circuit trip unit / initial value	9 450 A
• of instantaneous short-circuit trip unit / Full-scale value	75 600 A

Main circuit

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	6 300 A
• at 50 °C / rated value	5 920 A
• at 55 °C / rated value	5 920 A
• at 60 °C / rated value	5 810 A
• at 65 °C / rated value	5 810 A
• at 70 °C / rated value	5 500 A

Auxiliary circuit

Number of NC contacts / for auxiliary contacts	4
Number of NO contacts / for auxiliary contacts	4
Suitability	
Suitability for use	Plant / motor protection
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	Yes
• undervoltage release	Yes
Product extension / optional / motor drive	No
Product function	
Product function	
• Ground fault protection	Yes
• Phase failure detection	Yes
Display and operation	
Display version	without display
Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
Connections	
Arrangement of electrical connectors / for main current circuit	Main terminal on the rear vertical
Type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
Height	466.5 mm
Width	704 mm
Depth	485.5 mm
Mounting type	drawer unit
Environmental conditions	
Ambient temperature	
	-20 ... +70 °C
	-40 ... +70 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 VDE	 EG-Konf.	Special Test Certificate Miscellaneous  ABS

Shipping Approval	other
 BUREAU VERITAS	 LRS  PRS  RMRS

other
Manufacturer Declaration Confirmation Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1363-4EG37-5FR4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1363-4EG37-5FR4>

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

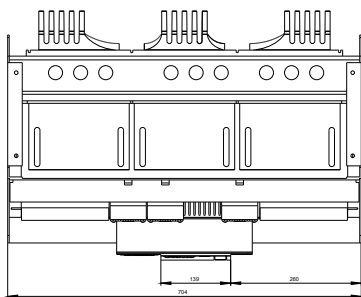
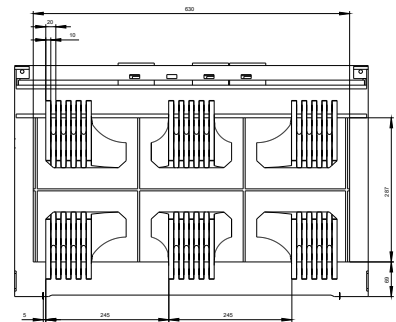
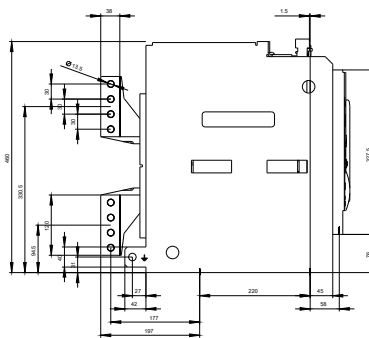
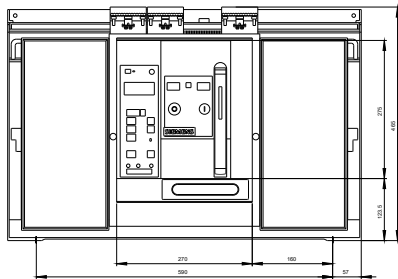
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1363-4EG37-5FR4

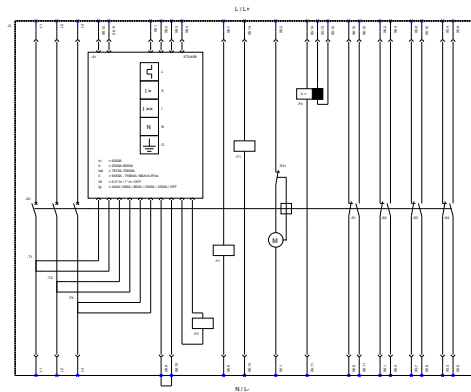
CAX-Online-Generator

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

Tender specifications

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





1. Drawing Time Delay (Überstromschutz), 2. Drawing Time Delay (Ausschaltzeit), 3. Drawing Time Delay (Ausschaltzeit), 4. Drawing Time Delay (Ausschaltzeit), 5. Drawing Time Delay (Ausschaltzeit), 6. Drawing Time Delay (Ausschaltzeit), 7. Drawing Time Delay (Ausschaltzeit), 8. Drawing Time Delay (Ausschaltzeit), 9. Drawing Time Delay (Ausschaltzeit), 10. Drawing Time Delay (Ausschaltzeit), 11. Drawing Time Delay (Ausschaltzeit), 12. Drawing Time Delay (Ausschaltzeit)

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