

withdrawable circuit breaker without guide frame 4-pole, size III, IEC
In=4000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection
horizontal Overcurrent release ETU 27 LSING protection adjustable
0.4-1 in Ground fault/N protection integrated 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 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/motorized operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive	Yes
Design of the overcurrent release	ETU27B

General technical data

Number of poles	4
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	270 W
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Electricity

Operating current / at 45 °C / rated value	4 000 A
Continuous current / rated value	4 000 A
Adjustable pick-up 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
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	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	
• Trip indicator	Yes
• Voltage trigger	Yes
• undervoltage release	No
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	without guide frame
Type of electrical connection / for main current circuit	Blade contacts
Mechanical Design	
Height	410 mm
Width	701 mm
Depth	337 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.	Miscellaneous Special Test Certificate  ABS

Shipping Approval	other
 BUREAU VERITAS	 LRS
 PRS	 RMRS
	CCS / China Classification Society Environmental Confirmations

other
Manufacturer Declaration Confirmation Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4DG45-4GA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4DG45-4GA2>

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

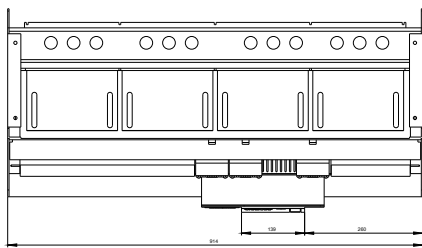
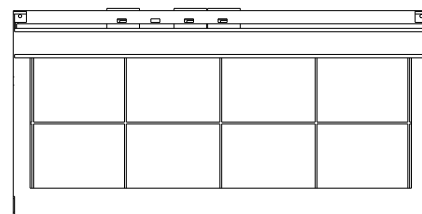
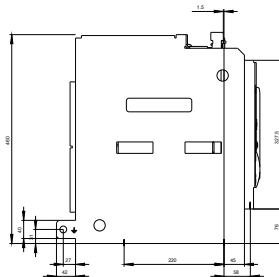
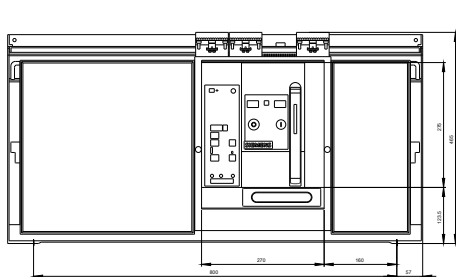
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4DG45-4GA2

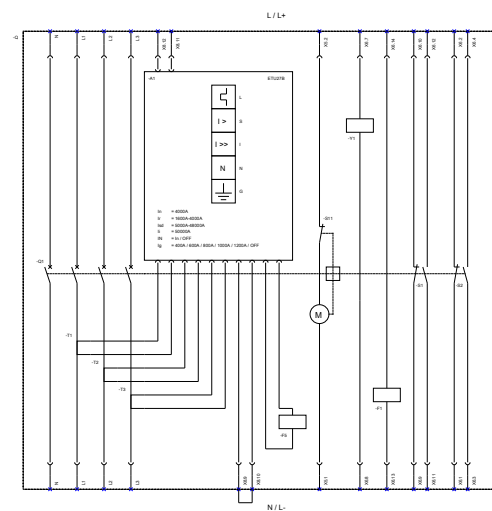
CAX-Online-Generator

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

Tender specifications

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





1 (Long Time Delay / Überstromschutz) 2 (Short Time Delay / Kurzstromschutz, kurzzeitwertgetriggert) 3 (Instantaneous / Kurzstromschutz, unimittiggetriggert)
 N (Neutral Protection / Neutralstromeinschutz) G (Ground Fault Protection / Erdschlusserschutz)
 S17 (Internal Trip / Einschaltzeit, 1 spring to be inserted / Interner Resetzeitschalter, wenn Feder gespannt) F1 (1st auxiliary switch / 1ster Hilfsauslöser)
 F3 (Delayed for trip unit / Auslöseverzögerung) S1-S8 (Auxiliary switch / Hilfsauslöser) Y1 (Closing coil / Einschaltmagnet)

last modified:

04/14/2020