

withdrawable circuit breaker without guide frame 3-pole, size II, IEC
In=2500A to 690V, AC50/60Hz Icu=100kA at 500V rear connection
horizontal 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 without 1st auxiliary release With 2nd auxiliary
release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC
2NO+2NC



Model	
Product brand name	SENTRON
Product designation	ACB
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	ETU25B
General technical data	
Number of poles	3
Size of the circuit-breaker	2
Usage category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	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
Current	
Operating current / at 45 °C / rated value	2 500 A
Continuous current / rated value	2 500 A
Adjustable pick-up value current - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / Full-scale value	50 000 A 50 000 A
Main circuit	
Operating frequency 1 / rated value 2 / rated value	50 Hz 60 Hz
Operating current - at 40 °C / rated value - at 50 °C / rated value - at 55 °C / rated value - at 60 °C / rated value - at 65 °C / rated value - at 70 °C / rated value	2 500 A 2 500 A 2 500 A 2 500 A 2 500 A 2 280 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	No
• undervoltage release	Yes
Product extension / optional / motor drive	No
Product function	
Product function	
• Ground fault protection	No
• 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	411.5 mm
Width	451 mm
Depth	337 mm
Mounting type	drawer unit
Environmental conditions	
Ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	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=3WL1225-4CB35-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-4CB35-4AN2>

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

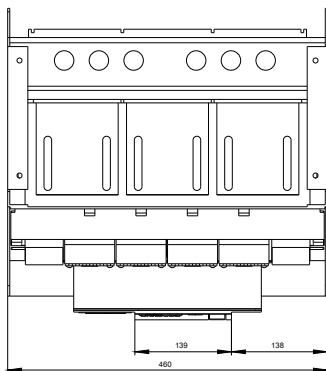
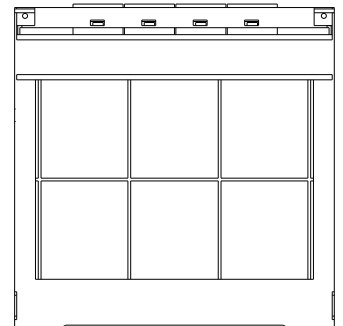
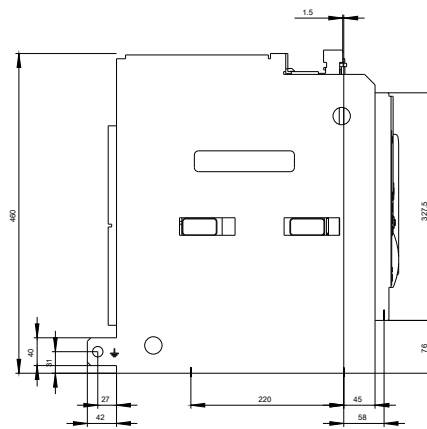
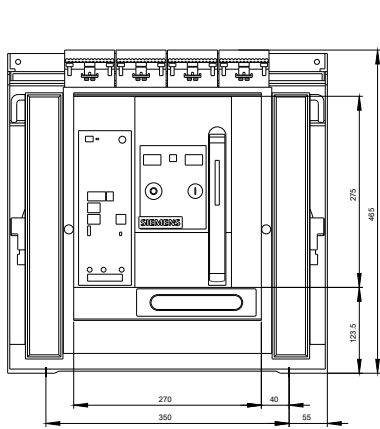
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-4CB35-4AN2

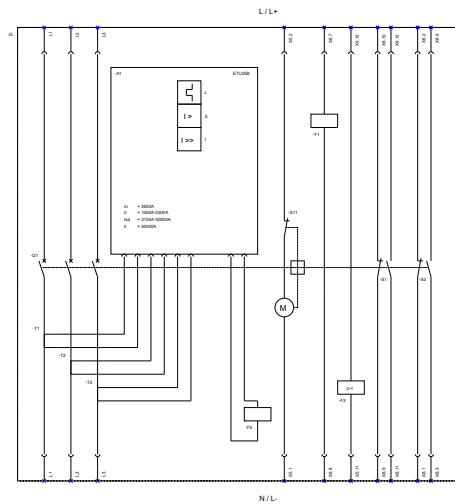
CAX-Online-Generator

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

Tender specifications

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





L: Long Time Delay / (Überstromschutz) S: Short Time Delay / (Kurzstromschutz, kurzzeitschutz) I: Instantaneous / (Kurzstromschutz, unversögelt)
 S17: Thermal-magnetic circuit-breaker switch, 2-pole, 2-terminal / (2-pole, 2-terminal, thermomagnetischer Schalter, 2-polig, 2-polig)
 P8: Plug-in for trip unit / Auslöseeinheit S1: SR (Auxiliary switch / Hilfskontakt) Y1: Closing coil / Einschaltmagnet

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