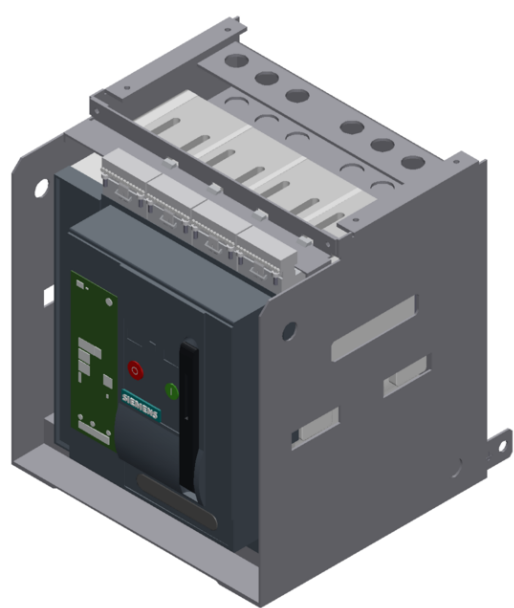


withdrawable circuit breaker without guide frame 4-pole, size I, IEC
In=1600A to 690V, AC50/60Hz Icu=55kA at 500V rear connection
horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-
1 in With manual operating mechanism with storage with mechanical
request without 1st auxiliary release without 2nd auxiliary release
2NO+2NC



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the product	IEC 60947-2
Design of the auxiliary switch	2 NO + 2 NC
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	ETU25B
General technical data	
Number of poles	4
Size of the circuit-breaker	1
Usage category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	1 000 V
Protection class	
Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LSI
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	116.7 W
Electricity	
Operating current / at 45 °C / rated value	1 600 A
Continuous current / rated value	1 600 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	1 600 A
• of instantaneous short-circuit trip unit / initial value	32 000 A
• of instantaneous short-circuit trip unit / Full-scale value	32 000 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	1 600 A
• at 50 °C / rated value	1 600 A
• at 55 °C / rated value	1 600 A
• at 60 °C / rated value	1 600 A
• at 65 °C / rated value	1 600 A
• at 70 °C / rated value	1 490 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
Adjustable parameters	
Adjustable pick-up value current / of the current-dependent overload release / initial value	640 A
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	Yes
Display and operation	
Display version	without display
Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 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	401 mm
Depth	337 mm
(mounting type)	drawer unit
Environmental conditions	

Ambient temperature

- | | |
|------------------------------|--------|
| • during operation / minimum | -20 °C |
| • during operation / maximum | 70 °C |
| • during storage / minimum | -40 °C |
| • during storage / maximum | 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	 VDE	 EG-Konf.	Special Test Certificate Miscellaneous  ABS

Shipping Approval



other

- [Environmental Conformations](#)
[Manufacturer Declaration](#)
[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1116-2CB45-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1116-2CB45-1AA2>

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

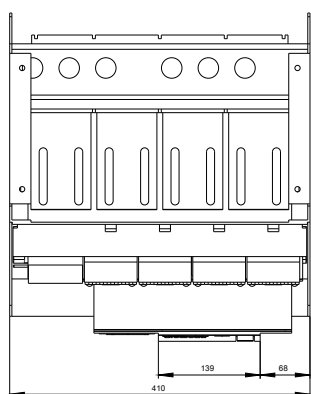
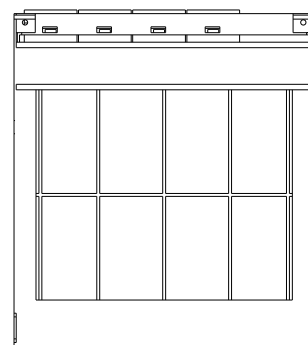
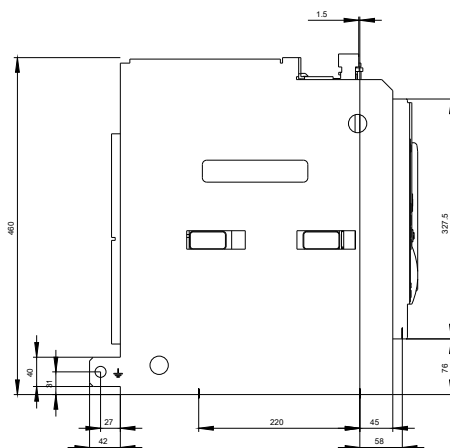
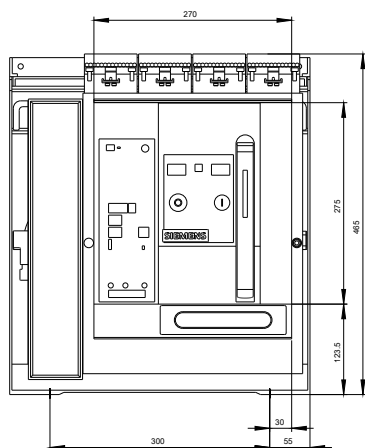
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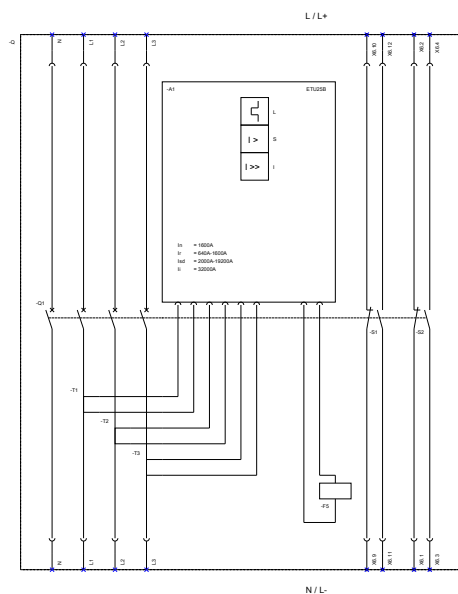
CAX-Online-Generator

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

Tender specifications

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





last modified:

04/02/2019