

withdrawable circuit breaker without guide frame 3-pole, size II, IEC
In=2500A to 690V, AC50/60Hz Icu=66kA at 500V rear connection
horizontal Overcurrent release ETU 45 LSING protection adjustable
0.4-1 in with display and cubicle bus with ground fault protection
Opt.: Comm./measuring func./ZSS Motorized/manual operating
mechanism with spring charging motor 24-30 V DC Activation 24 V
DC With 1st auxiliary release Shunt release "F", F1 24 V DC; 100%
ON period without 2nd auxiliary release 4NO+4NC K07= Tripped
signaling contact, 1 CO not possible with option F02



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	ETU45B
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	LSING
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 the current-dependent overload release / full-scale value - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / full-scale value	2 500 A 3 750 A 30 000 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	2 500 A 2 500 A 2 500 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
Adjustable parameters	
adjustable pick-up value current	
• of the L-trip / with I _{4t} characteristic / initial value	1 000 A
• of the L-trip / with I _{4t} characteristic / full-scale value	2 500 A
adjustable pick-up value current / of the current-dependent overload release / initial value	1 000 A
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	WITH 4-LINE DISPLAY
Short circuit	
operational short-circuit current breaking capacity (I _{cs})	
• 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 (I _{cu})	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 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	55 °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.	Special Test Certificate Miscellaneous  ABS

Shipping Approval	other
 BUREAU VERITAS	CCS / China Classification Society Environmental Con- firmations Manufacturer De- claration  LRS

other
Confirmation Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2FG35-6BA4-Z K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2FG35-6BA4-Z K07>

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

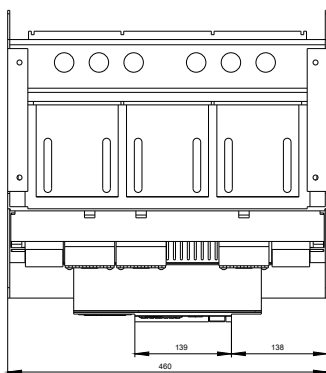
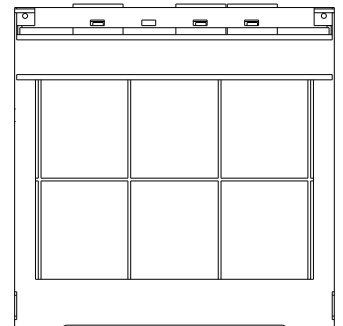
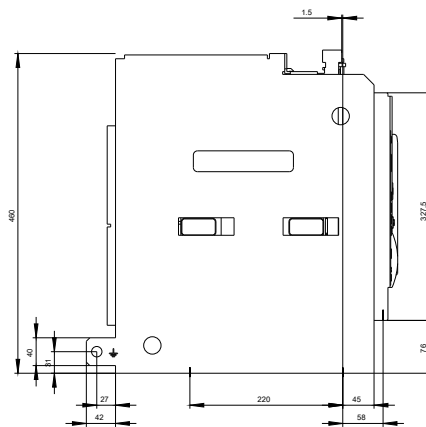
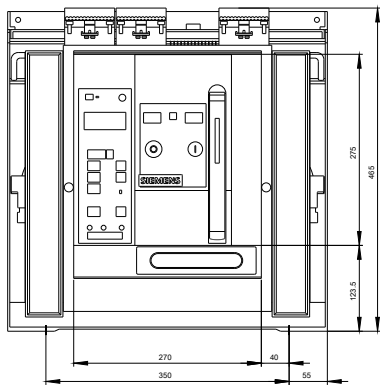
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2FG35-6BA4-Z K07

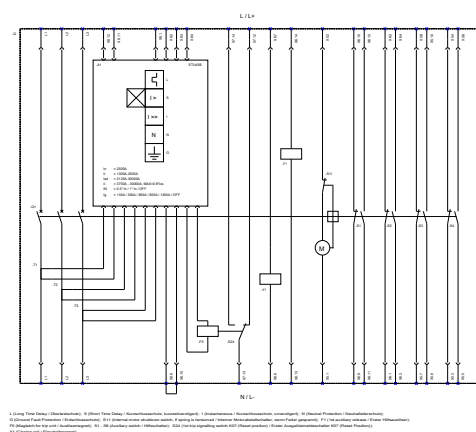
CAX-Online-Generator

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

Tender specifications

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





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