



withdrawable circuit breaker without guide frame 3-pole, size I, IEC
In=800A to 690V, AC50/60Hz Icu=66kA 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 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 without 2nd auxiliary release
4NO+4NC B04= Rated current reference module 400 A for ETU25,
27, 45, 55, 75, 76 for setting rated current in K07= Tripped signaling
contact, 1 CO not possible with option F02 S01= CES locking device
in OFF position (safe OFF/disconnector functionality) Disconnector
condition in compliance with IEC 60947-2

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	ETU27B

General technical data

Number of poles	3
Size of the circuit-breaker	1
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	65 W
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Electricity

Operating current / at 45 °C / rated value	400 A
Continuous current / rated value	400 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	400 A
• of instantaneous short-circuit trip unit / initial value	8 000 A
• of instantaneous short-circuit trip unit / Full-scale value	8 000 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	400 A
• at 50 °C / rated value	400 A
• at 55 °C / rated value	400 A
• at 60 °C / rated value	400 A
• at 65 °C / rated value	400 A
• at 70 °C / rated value	400 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 short-time delayed short-circuit release / initial value	500 A
• of the short-time delayed short-circuit release / Full-scale value	4 800 A
Adjustable pick-up value current / of the current-dependent overload release / initial value	160 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	without display
Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• 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 (Icu)	
• 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	311 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

Q

Q

General Product Approval

Declaration of Conformity

Test Certificates



CCC

CB

CB



VDE



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval



ABS



Lloyd's Register

LRS



PRS



RMRS

[CCS / China Classification Society](#)

other

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3DG35-5FA4-Z B04+K07+S01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3DG35-5FA4-Z B04+K07+S01>

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

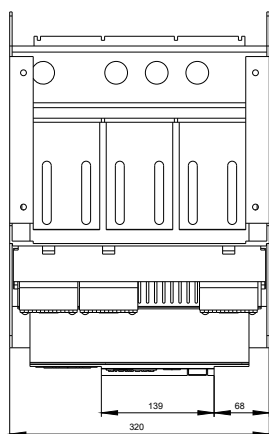
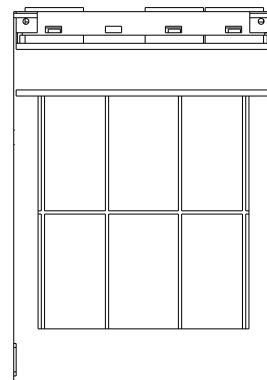
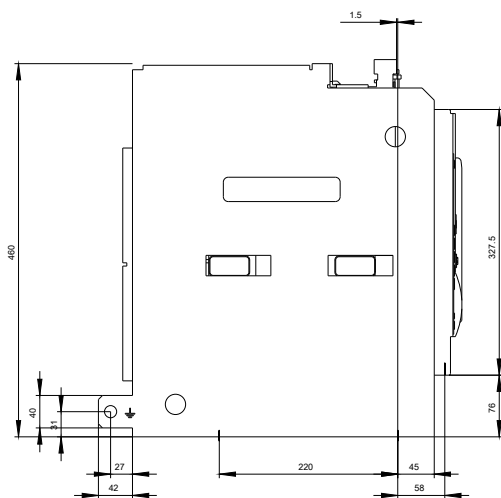
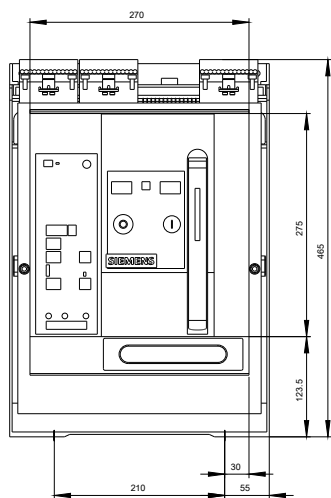
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3DG35-5FA4-Z B04+K07+S01

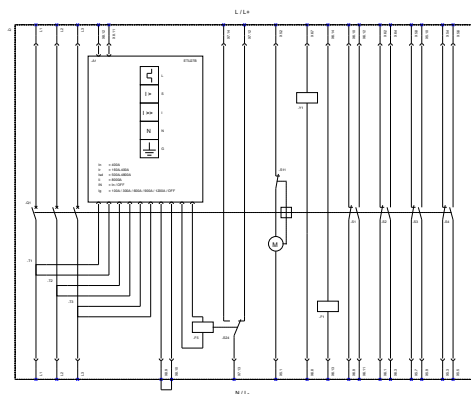
CAX-Online-Generator

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

Tender specifications

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





1. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 2. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 3. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 4. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 5. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 6. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 7. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 8. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 9. 3WL1108-3DG35-5FA4-Z B04+K07+S01
 10. 3WL1108-3DG35-5FA4-Z B04+K07+S01

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