

withdrawable circuit breaker without guide frame 3-pole, size I, IEC
In=1000A 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
without 1st auxiliary release With 2nd auxiliary release "R", F3
Undervoltage, instant. 110-127 V AC, 110-125 V DC 4NO+4NC
C20= Spring charge status indicator not possible with option F02
K07= Tripped signaling contact, 1 CO not possible with option F02



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	1 000 A
Continuous current / rated value	1 000 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	1 000 A
• of instantaneous short-circuit trip unit / initial value	20 000 A
• of instantaneous short-circuit trip unit / Full-scale value	20 000 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	1 000 A
• at 50 °C / rated value	1 000 A
• at 55 °C / rated value	1 000 A
• at 60 °C / rated value	1 000 A
• at 65 °C / rated value	1 000 A
• at 70 °C / rated value	1 000 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 current-dependent overload release / initial value	400 A
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	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



BUREAU
VERITAS



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=3WL1110-3DG35-5AM4-Z C20+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-3DG35-5AM4-Z C20+K07>

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

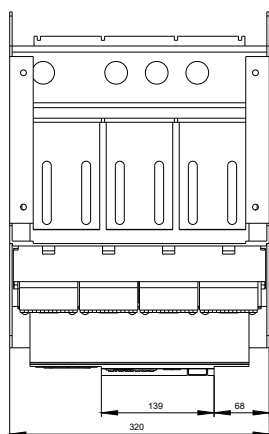
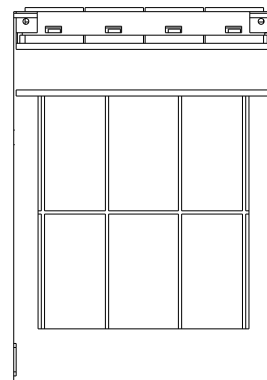
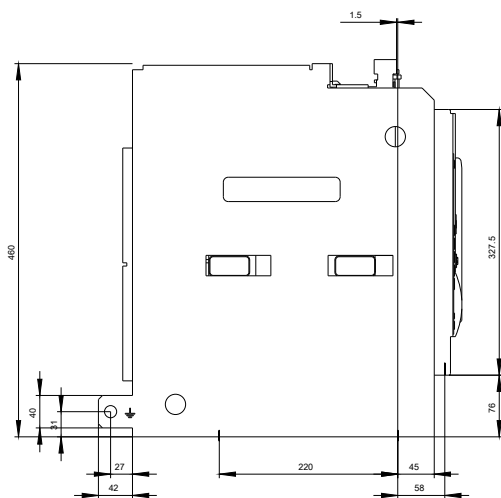
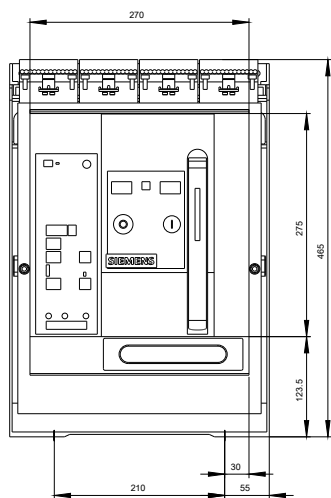
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-3DG35-5AM4-Z C20+K07

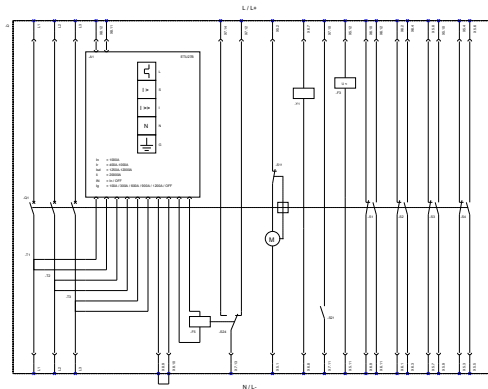
CAX-Online-Generator

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

Tender specifications

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





1. 3-phase supply, 2. 2-phase supply, 3. 1-phase supply, 4. 0-phase supply, 5. 1-phase supply, 6. 2-phase supply, 7. 3-phase supply, 8. 0-phase supply, 9. 1-phase supply, 10. 2-phase supply, 11. 3-phase supply, 12. 0-phase supply, 13. 1-phase supply, 14. 2-phase supply, 15. 3-phase supply, 16. 0-phase supply, 17. 1-phase supply, 18. 2-phase supply, 19. 3-phase supply, 20. 0-phase supply, 21. 1-phase supply, 22. 2-phase supply, 23. 3-phase supply, 24. 0-phase supply, 25. 1-phase supply, 26. 2-phase supply, 27. 3-phase supply, 28. 0-phase supply, 29. 1-phase supply, 30. 2-phase supply, 31. 3-phase supply, 32. 0-phase supply, 33. 1-phase supply, 34. 2-phase supply, 35. 3-phase supply, 36. 0-phase supply, 37. 1-phase supply, 38. 2-phase supply, 39. 3-phase supply, 40. 0-phase supply, 41. 1-phase supply, 42. 2-phase supply, 43. 3-phase supply, 44. 0-phase supply, 45. 1-phase supply, 46. 2-phase supply, 47. 3-phase supply, 48. 0-phase supply, 49. 1-phase supply, 50. 2-phase supply, 51. 3-phase supply, 52. 0-phase supply, 53. 1-phase supply, 54. 2-phase supply, 55. 3-phase supply, 56. 0-phase supply, 57. 1-phase supply, 58. 2-phase supply, 59. 3-phase supply, 60. 0-phase supply, 61. 1-phase supply, 62. 2-phase supply, 63. 3-phase supply, 64. 0-phase supply, 65. 1-phase supply, 66. 2-phase supply, 67. 3-phase supply, 68. 0-phase supply, 69. 1-phase supply, 70. 2-phase supply, 71. 3-phase supply, 72. 0-phase supply, 73. 1-phase supply, 74. 2-phase supply, 75. 3-phase supply, 76. 0-phase supply, 77. 1-phase supply, 78. 2-phase supply, 79. 3-phase supply, 80. 0-phase supply, 81. 1-phase supply, 82. 2-phase supply, 83. 3-phase supply, 84. 0-phase supply, 85. 1-phase supply, 86. 2-phase supply, 87. 3-phase supply, 88. 0-phase supply, 89. 1-phase supply, 90. 2-phase supply, 91. 3-phase supply, 92. 0-phase supply, 93. 1-phase supply, 94. 2-phase supply, 95. 3-phase supply, 96. 0-phase supply, 97. 1-phase supply, 98. 2-phase supply, 99. 3-phase supply, 100. 0-phase supply.

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