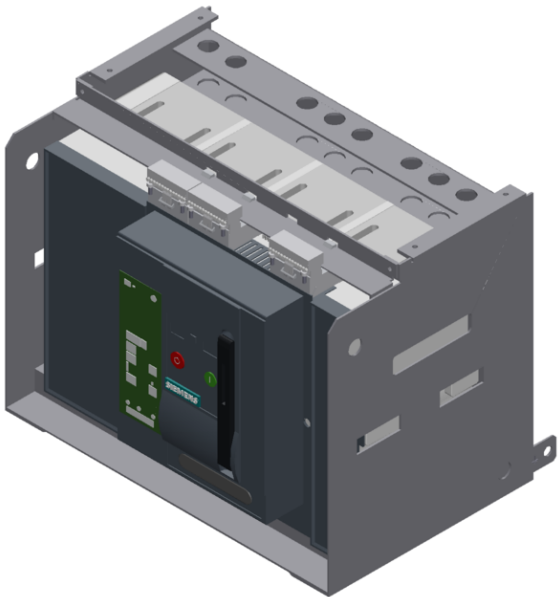




withdrawable circuit breaker without guide frame 4-pole, size II, IEC
In=2500A to 690V, AC50/60Hz Icu=66kA at 500V rear connection
horizontal Overcurrent release ETU 27 LSING protection adjustable
0.4-1 in Ground fault/N protection integrated Motorized/manual
operating mechanism with spring charging motor AC 50/60 Hz 208-
240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC
With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V
AC/220 V DC, 100% on-load factor without 2nd auxiliary release
4NO+4NC F23= Internal current converter 4-pole switch BGII K07=
Tripped signaling contact, 1 CO not possible with option F02 S01=
CES locking device in Off position Disconnecter condition Safe
Off/disconnector function

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	4
Size of the circuit-breaker	2
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	LSING

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	173.3 W
---	---------

Electricity

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	2 500 A
• of instantaneous short-circuit trip unit / initial value	50 000 A
• of instantaneous short-circuit trip unit / Full-scale value	50 000 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	2 500 A
• at 50 °C / rated value	2 500 A
• at 55 °C / rated value	2 500 A
• at 60 °C / rated value	2 500 A
• at 65 °C / rated value	2 500 A
• at 70 °C / rated value	2 280 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	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	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	555 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	Shipping Approval
 CCC	 VDE	 EG-Konf.	 ABS

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval

other



[Environmental Confirmations](#)

[Manufacturer Declaration](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2DG45-4GA4-Z F23+K07+S01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2DG45-4GA4-Z F23+K07+S01>

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

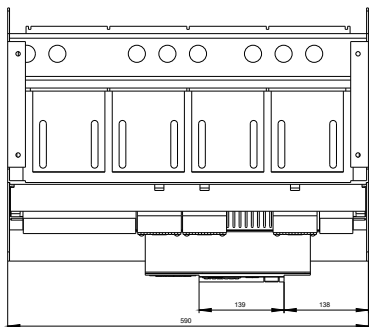
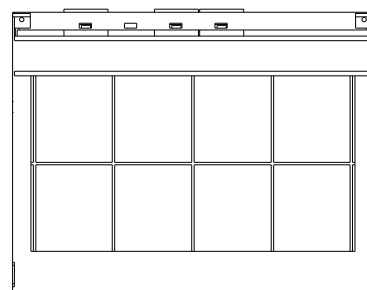
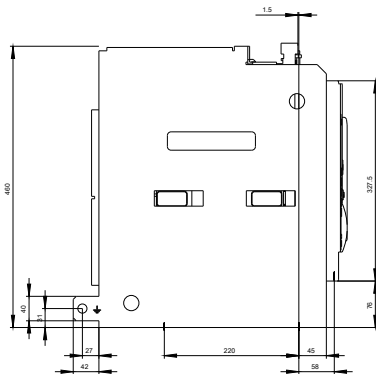
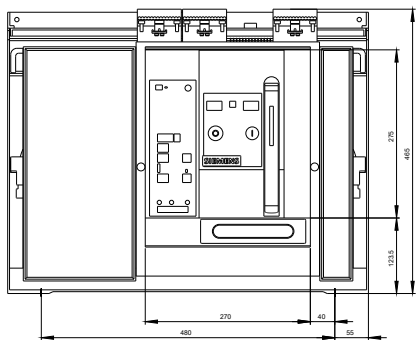
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2DG45-4GA4-Z F23+K07+S01

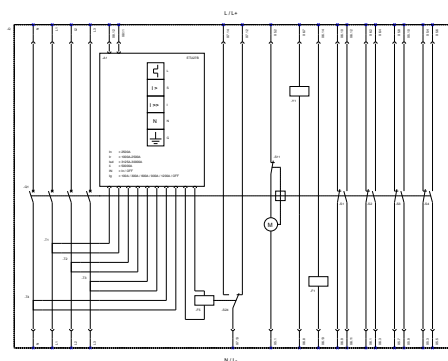
CAX-Online-Generator

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

Tender specifications

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





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

last modified:

06/29/2019