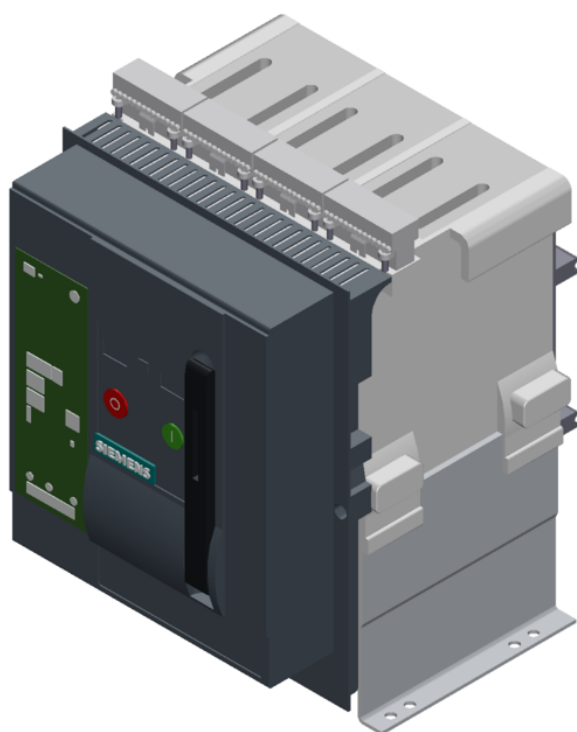


FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE
I, IEC IN=1600A TO 690V, AC50/60HZ ICU=55KA AT
500V REAR CONNECTION HORIZONTAL



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the auxiliary switch		2 NO + 2 NC
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		ETU25B

General technical data		
Number of poles		3
Size of the circuit-breaker		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1116
Mechanical service life (switching cycles) / typical		20 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		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	W	50

Electricity		
Operating current / at 45 °C / rated value	A	1 600
Continuous current / rated value	A	1 600
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	32 000
• of instantaneous short-circuit trip unit / Full-scale value	A	32 000
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	55
• limited to 1 s / rated value	kA	42
• limited to 2 s / rated value	kA	29.5
• limited to 3 s / rated value	kA	24

Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60

Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690
Operating current		
• at 40 °C / rated value	A	1 600
• at 50 °C / rated value	A	1 600
• at 55 °C / rated value	A	1 600
• at 60 °C / rated value	A	1 600
• at 65 °C / rated value	A	1 600
• at 70 °C / rated value	A	1 490

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
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Adjustable parameters

Adjustable pick-up value current		
• of the short-time delayed short-circuit release / initial value	A	2 000
• of the short-time delayed short-circuit release / Full-scale value	A	19 200

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		No

Display and operation

Display version		without display
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Short circuit

Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55

- at 690 V / rated value

kA	42
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Connections

Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	439.5
Width	mm	320
Depth	mm	337
Mounting type		fixed mounting

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

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.	Miscellaneous Special Test Certificate  ABS

Shipping Approval

 BUREAU VERITAS	 DNV	 GL	 LRS	 PRS	 RMRS
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other

[Environmental Confirmations](#)
[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1116-2CB32-4AN2-Z C01+C22+K07+K10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1116-2CB32-4AN2-Z C01+C22+K07+K10>

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

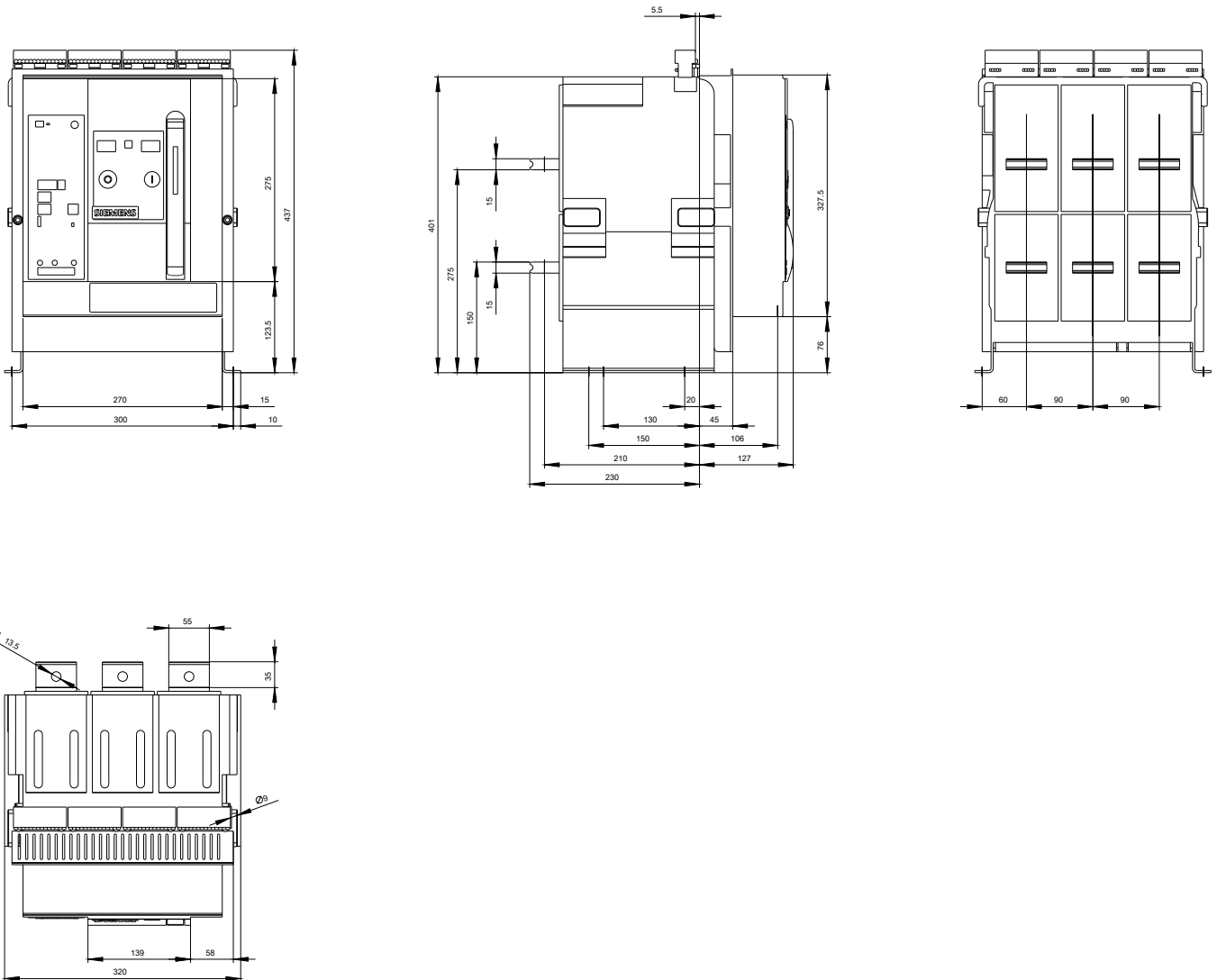
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1116-2CB32-4AN2-Z C01+C22+K07+K10

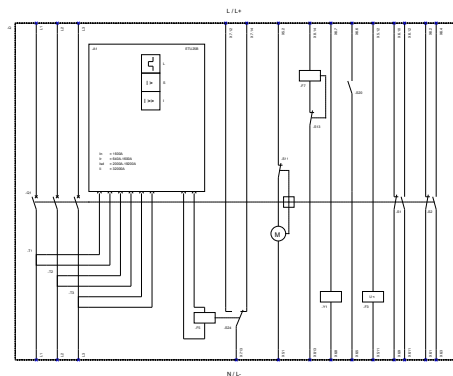
CAX-Online-Generator

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

Tender specifications

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





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

last modified:

11/03/2018