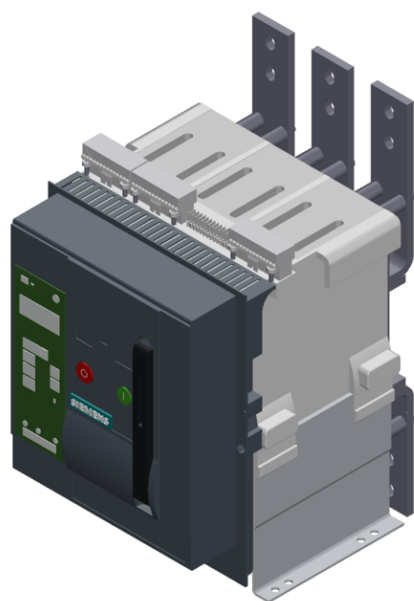


fixed-mounted circuit breaker 3-pole, size I, IEC In=1000A to 690V, AC50/60Hz Icu=55kA at 500V frnt.conn. top/bot. dual-hole
Overcurrent release ETU 45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS
Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC



Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	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	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	1 000 V
insulation voltage / rated value	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	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	33.3 W
• maximum	100 W
Current	
continuous current / rated value / maximum	1 000 A
continuous current / rated value	1 000 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 000 A
• of instantaneous short-circuit trip unit / initial value	1 500 A
• of instantaneous short-circuit trip unit / full-scale value	12 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational 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	2
number of NO contacts / for auxiliary contacts	2

Suitability

suitability for use	Plant / motor protection
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Adjustable parameters

adjustable current response value current	
• of the L-trip / with I_{4t} characteristic / initial value • of the L-trip / with I_{4t} characteristic / full-scale value	400 A 1 000 A
adjustable current response value current / of the current-dependent overload release / initial value	400 A

Product details

product component	
• trip indicator • voltage trigger • undervoltage release	Yes No Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No

Product function

product function	
• grounding protection • phase failure detection	No Yes

Display and operation

display version	without display
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Short circuit

• breaking capacity operating short-circuit current (I _{cs}) / at 415 V / rated value	55 kA
• breaking capacity operating short-circuit current (I _{cs}) / at 500 V / rated value	55 kA
• breaking capacity operating short-circuit current (I _{cs}) / at 690 V / rated value	42 kA
• breaking capacity maximum short-circuit current (I _{cu}) / at 415 V / rated value	55 kA
• breaking capacity maximum short-circuit current (I _{cu}) / at 500 V / rated value	55 kA
• breaking capacity maximum short-circuit current (I _{cu}) / at 690 V / rated value	42 kA

Connections

arrangement of electrical connectors / for main current circuit	Main connection top front/bottom double hole
type of electrical connection / for main current circuit	busbar connection

Mechanical Design

height	541 mm
width	320 mm
depth	369 mm
fastening method	fixed mounting

Environmental conditions

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

Certificates

reference code	
• acc. to DIN EN 61346-2	Q
• acc. to IEC 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 EG-Konf.	Miscellaneous Special Test Certificate	 ABS  BUREAU VERITAS

Shipping Approval	other
 LRS  PRS  RMRS	CCS / China Classification Society Environmental Confirmations Manufacturer Declaration

other
Confirmation Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2EB34-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2EB34-4AN2>

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

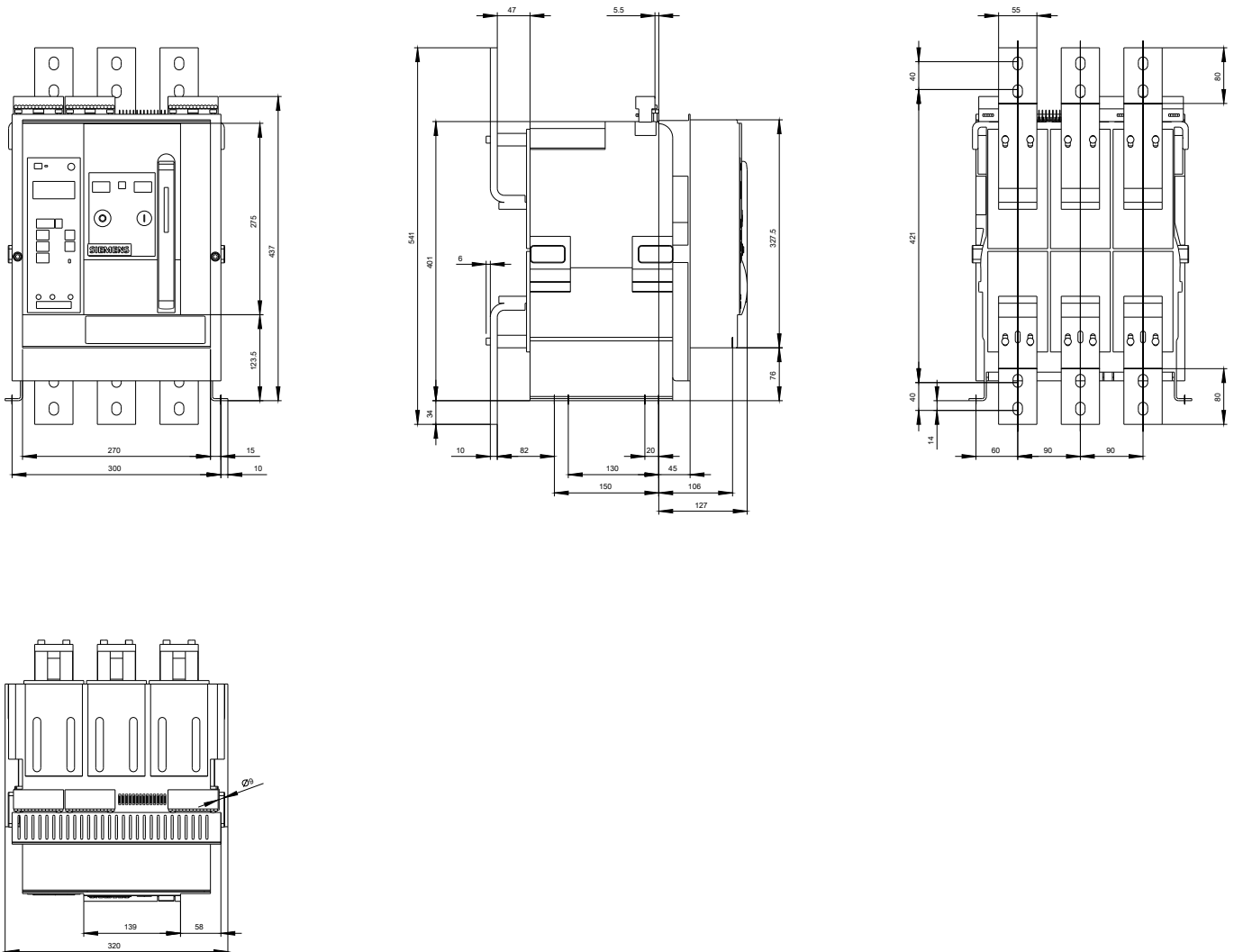
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2EB34-4AN2

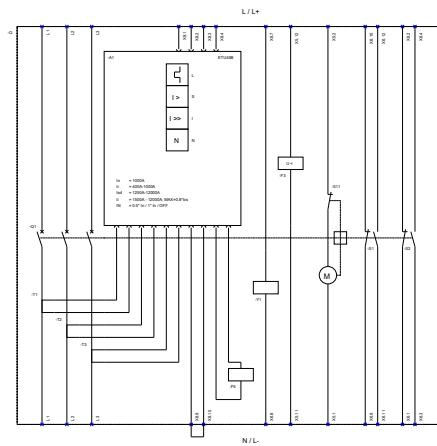
CAX-Online-Generator

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

Tender specifications

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





1: (Long Time Delay / Überstromschutz), 2: (Short Time Delay / Kurzschlusschutz, Kurzschlusschutz), 3: (Instantaneous / Kurzschlusschutz, unversögelt)
 4: (Residual Protection / Reststromschutz), 5: (Internal motor shutdown switch, if spring is released / Interne Motorschaltfunktion, wenn Feder gelöst)
 6: (Overcurrent release / Überstromschutzfunktion), 7: (Release for trip unit / Auslösefunktion), 8: (Release for trip unit / Auslösefunktion), 9: (Release for trip unit / Auslösefunktion), 10: (Release for trip unit / Auslösefunktion), 11: (Release for trip unit / Auslösefunktion), 12: (Release for trip unit / Auslösefunktion), 13: (Release for trip unit / Auslösefunktion), 14: (Release for trip unit / Auslösefunktion), 15: (Release for trip unit / Auslösefunktion), 16: (Release for trip unit / Auslösefunktion), 17: (Release for trip unit / Auslösefunktion), 18: (Release for trip unit / Auslösefunktion), 19: (Release for trip unit / Auslösefunktion), 20: (Release for trip unit / Auslösefunktion), 21: (Release for trip unit / Auslösefunktion), 22: (Release for trip unit / Auslösefunktion), 23: (Release for trip unit / Auslösefunktion), 24: (Release for trip unit / Auslösefunktion), 25: (Release for trip unit / Auslösefunktion), 26: (Release for trip unit / Auslösefunktion), 27: (Release for trip unit / Auslösefunktion), 28: (Release for trip unit / Auslösefunktion), 29: (Release for trip unit / Auslösefunktion), 30: (Release for trip unit / Auslösefunktion), 31: (Release for trip unit / Auslösefunktion), 32: (Release for trip unit / Auslösefunktion), 33: (Release for trip unit / Auslösefunktion), 34: (Release for trip unit / Auslösefunktion), 35: (Release for trip unit / Auslösefunktion), 36: (Release for trip unit / Auslösefunktion), 37: (Release for trip unit / Auslösefunktion), 38: (Release for trip unit / Auslösefunktion), 39: (Release for trip unit / Auslösefunktion), 40: (Release for trip unit / Auslösefunktion), 41: (Release for trip unit / Auslösefunktion), 42: (Release for trip unit / Auslösefunktion), 43: (Release for trip unit / Auslösefunktion), 44: (Release for trip unit / Auslösefunktion), 45: (Release for trip unit / Auslösefunktion), 46: (Release for trip unit / Auslösefunktion), 47: (Release for trip unit / Auslösefunktion), 48: (Release for trip unit / Auslösefunktion), 49: (Release for trip unit / Auslösefunktion), 50: (Release for trip unit / Auslösefunktion), 51: (Release for trip unit / Auslösefunktion), 52: (Release for trip unit / Auslösefunktion), 53: (Release for trip unit / Auslösefunktion), 54: (Release for trip unit / Auslösefunktion), 55: (Release for trip unit / Auslösefunktion), 56: (Release for trip unit / Auslösefunktion), 57: (Release for trip unit / Auslösefunktion), 58: (Release for trip unit / Auslösefunktion), 59: (Release for trip unit / Auslösefunktion), 60: (Release for trip unit / Auslösefunktion), 61: (Release for trip unit / Auslösefunktion), 62: (Release for trip unit / Auslösefunktion), 63: (Release for trip unit / Auslösefunktion), 64: (Release for trip unit / Auslösefunktion), 65: (Release for trip unit / Auslösefunktion), 66: (Release for trip unit / Auslösefunktion), 67: (Release for trip unit / Auslösefunktion), 68: (Release for trip unit / Auslösefunktion), 69: (Release for trip unit / Auslösefunktion), 70: (Release for trip unit / Auslösefunktion), 71: (Release for trip unit / Auslösefunktion), 72: (Release for trip unit / Auslösefunktion), 73: (Release for trip unit / Auslösefunktion), 74: (Release for trip unit / Auslösefunktion), 75: (Release for trip unit / Auslösefunktion), 76: (Release for trip unit / Auslösefunktion), 77: (Release for trip unit / Auslösefunktion), 78: (Release for trip unit / Auslösefunktion), 79: (Release for trip unit / Auslösefunktion), 80: (Release for trip unit / Auslösefunktion), 81: (Release for trip unit / Auslösefunktion), 82: (Release for trip unit / Auslösefunktion), 83: (Release for trip unit / Auslösefunktion), 84: (Release for trip unit / Auslösefunktion), 85: (Release for trip unit / Auslösefunktion), 86: (Release for trip unit / Auslösefunktion), 87: (Release for trip unit / Auslösefunktion), 88: (Release for trip unit / Auslösefunktion), 89: (Release for trip unit / Auslösefunktion), 90: (Release for trip unit / Auslösefunktion), 91: (Release for trip unit / Auslösefunktion), 92: (Release for trip unit / Auslösefunktion), 93: (Release for trip unit / Auslösefunktion), 94: (Release for trip unit / Auslösefunktion), 95: (Release for trip unit / Auslösefunktion), 96: (Release for trip unit / Auslösefunktion), 97: (Release for trip unit / Auslösefunktion), 98: (Release for trip unit / Auslösefunktion), 99: (Release for trip unit / Auslösefunktion), 100: (Release for trip unit / Auslösefunktion)

last modified:

11/04/2020