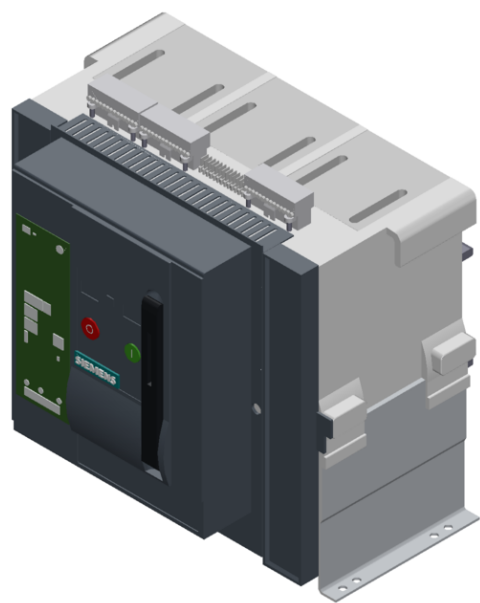


Fixed-mounted circuit breaker 3-pole, Size 2, IEC In=2000 A to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection
Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in
Motorized/manual operating mechanism with spring charging motor
AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 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 With 2nd
auxiliary release "R", F3 Undervoltage, instant. 110-127 V AC, 110-
125 V DC 4NO+4NC



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	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	2
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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	60 W
• maximum	180 W
Current	
continuous current / rated value / maximum	2 000 A
continuous current / rated value	2 000 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	2 000 A
• of instantaneous short-circuit trip unit / initial value	40 000 A
• of instantaneous short-circuit trip unit / full-scale value	40 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °C / rated value	2 000 A
• at 50 °C / rated value	2 000 A
• at 55 °C / rated value	2 000 A
• at 60 °C / rated value	2 000 A
• at 65 °C / rated value	2 000 A

- at 70 °C / rated value

2 000 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
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Adjustable parameters

adjustable current response value current / of the current-dependent overload release / initial value	800 A
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Product details

product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No

Product function

product function	
• grounding protection	No
• phase failure detection	Yes

Display and operation

display version	without display
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Short circuit

• breaking capacity operating short-circuit current (Ics) / at 415 V / rated value	66 kA
• breaking capacity operating short-circuit current (Ics) / at 500 V / rated value	66 kA
• breaking capacity operating short-circuit current (Ics) / at 690 V / rated value	50 kA
• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value	66 kA
• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value	66 kA
• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value	50 kA

Connections

arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal
type of electrical connection / for main current circuit	busbar connection

Mechanical Design

height	440.5 mm
width	460 mm
depth	337 mm
fastening method	fixed mounting

Environmental conditions

ambient temperature / during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °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
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CCC



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)



ABS



BUREAU VERITAS

Shipping Approval	other
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LRS



RMRS

[CCS / China Classification Society](#)

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

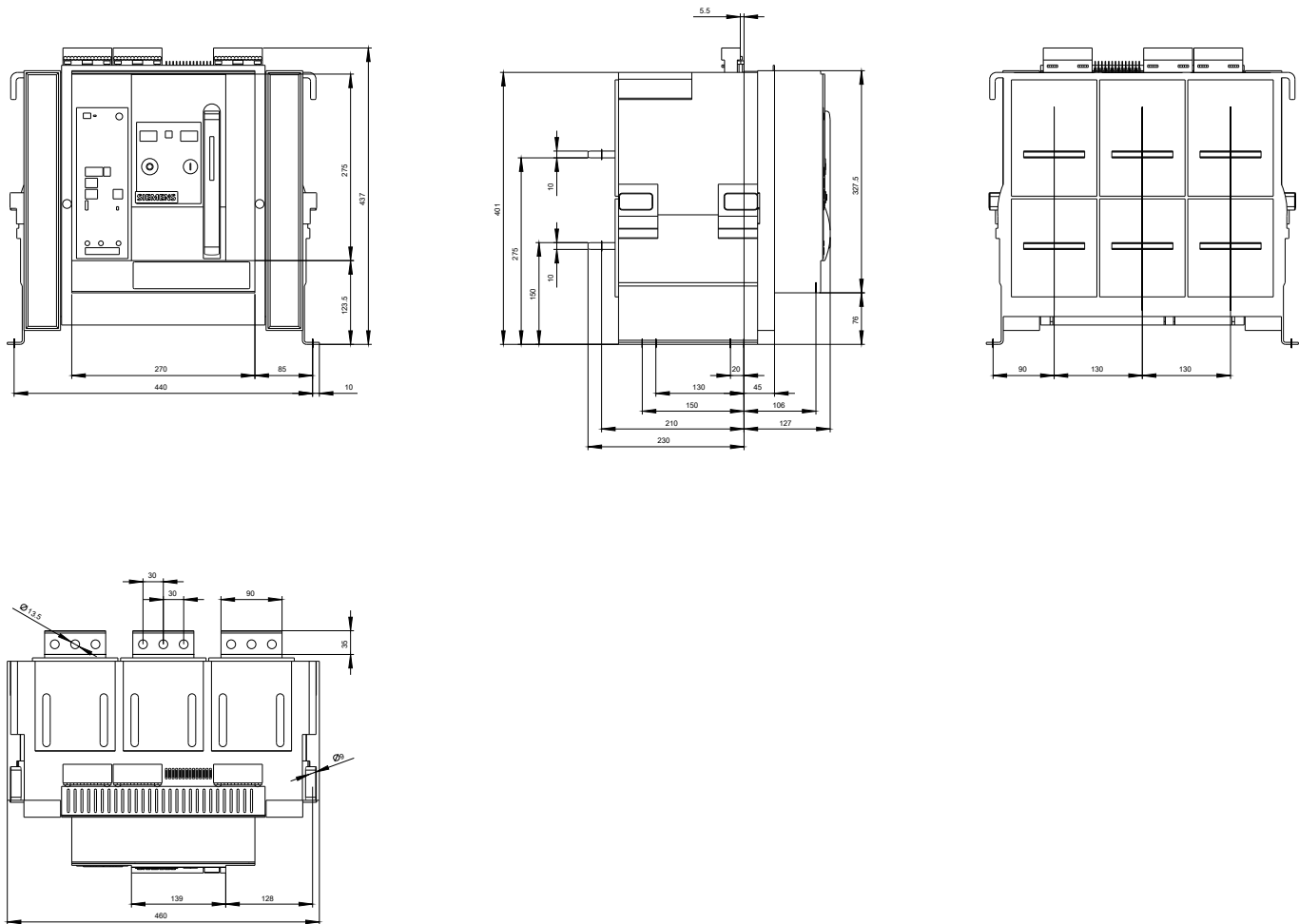
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-2CB62-5FM4>

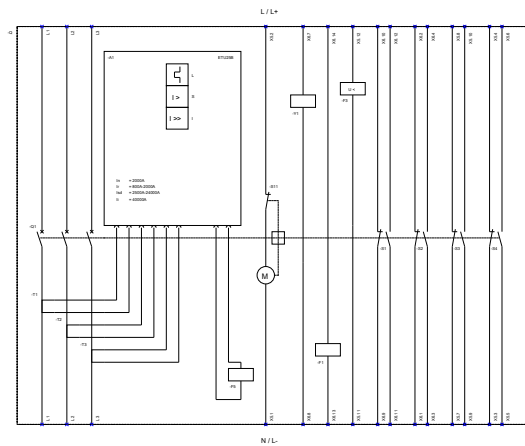
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-2CB62-5FM4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-2CB62-5FM4





1: (Long Time Delay / Überlastschutz) 2: (Short Time Delay / Kurzzeitlastschutz, Kurzzeitverzögerung) 3: (Undercurrent / Unterschuttschutz, unterlagert)
 R1: (Thermal relay / Überlastschutz, Überlastverzögerung) S1: (Stop button / Stop-Taste) S2: (Start button / Start-Taste)
 F1: (Circuit breaker / Leistungsschalter) F2: (Fuses for stop and start) (Fusionsgeräte) R1: (Thermal relay / Überlastschutz) S1: (Stop button / Stop-Taste) S2: (Start button / Start-Taste)

last modified:

11/20/2020