SIEMENS

Data sheet 3WL1210-4BB64-4AN2-Z C22+F31

Fixed-mounted circuit breaker 3-pole, Size 2, IEC In=1000 A up to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Front connection top/bottom double hole Overcurrent release ETU 15 LI protection adjustable 0.5-1 in 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 C22= Ready indicator F31= EMC filter

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	ETU15B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	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	LI
Dissipation	
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	15 W
● maximum	45 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	2 000 A
● of instantaneous short-circuit trip unit / full-scale value	8 000 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	system protection
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	500 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• phase failure detection	No
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 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	507 mm
width	460 mm
depth	369 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
Further information	

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1210-4BB64-4AN2-Z C22+F31
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

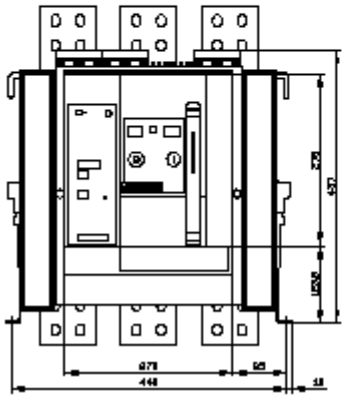
https://support.industry.siemens.com/cs/ww/en/ps/3WL1210-4BB64-4AN2-Z C22+F31

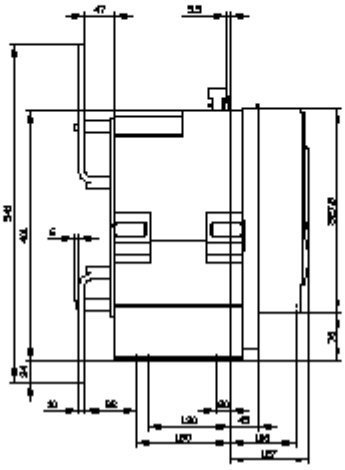
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

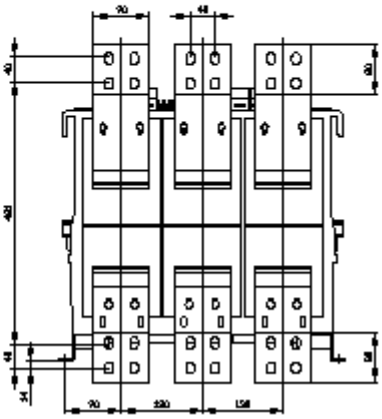
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1210-4BB64-4AN2-Z C22+F31

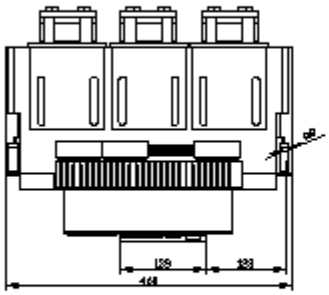
Tender specifications

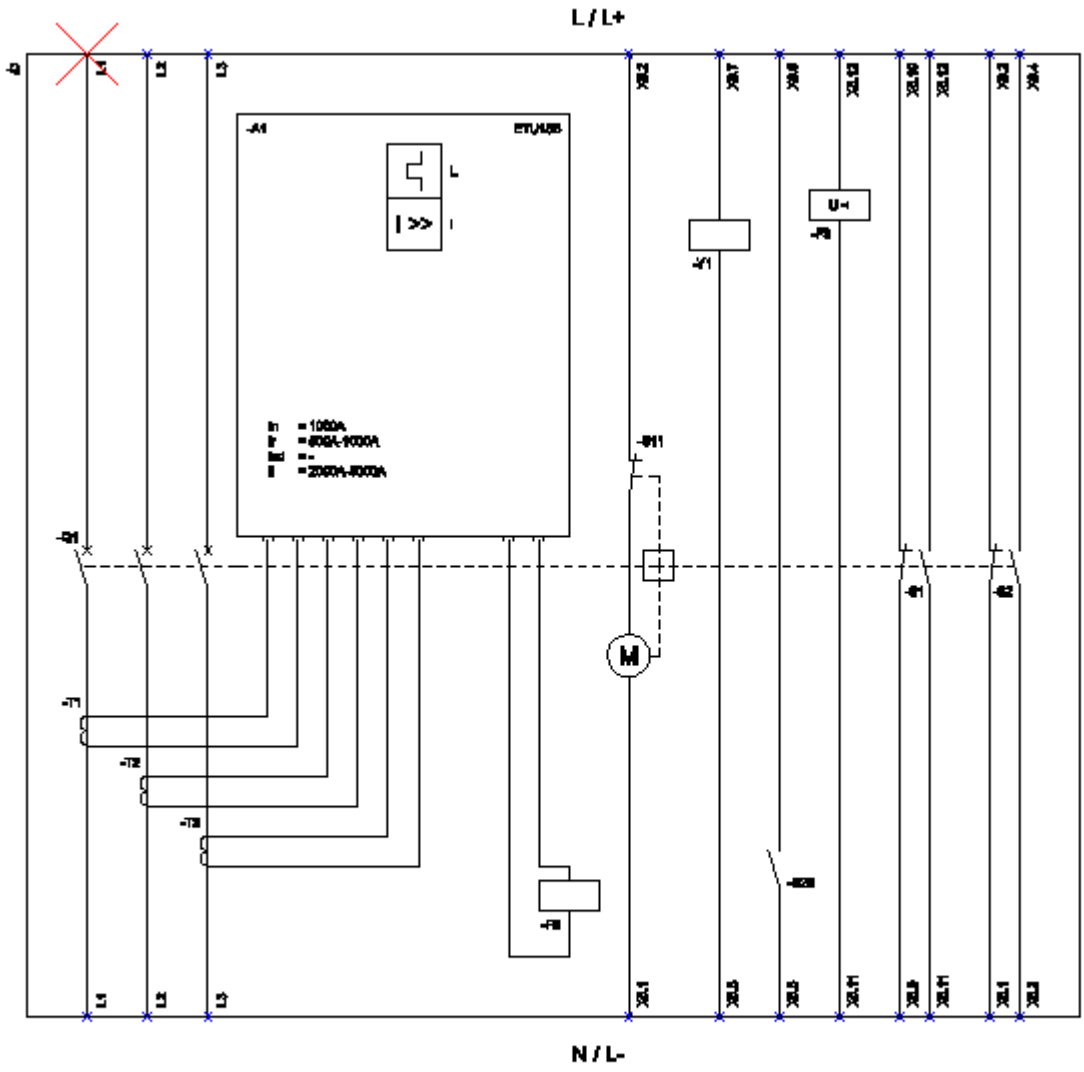
http://www.siemens.com/specifications











L (Long time Delay / Überlastauslöser): I (Instantaneous / Kurzschlussauslöser, einverstanden);
A11 (Internal motor electronic switch, if spring is tensioned / Interner Motorabfallschalter, wenn Feder gespannt); F3 (Undervoltage release / Unterspannungsauslöser);
F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter); S30 (Ready to close signalling switch / Einschaltbereitschaftsmeldeschalter);
Y1 (Closing coil / Einschaltmagnet);

last modified: 4/6/2020