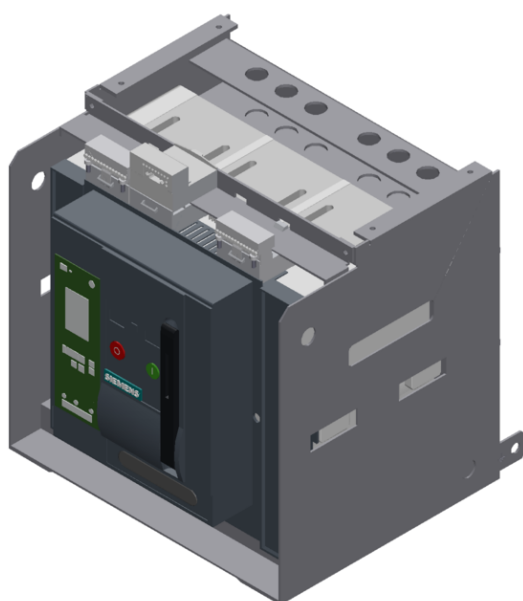




Draw-out circuit breaker with slide-in module frame 3-pole, Size 2, IEC In=1250 A up to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection Overcurrent release ETU 76 LSI protection adjustable 0.4-1 in with graphic display U cubicle bus Communication/ground fault/ ZSS option With manual operating mechanism with storage with electrical + mechanical request 50/60 Hz 230 V AC, 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 2NO+2NC C22= Ready indicator F12= COM16 Modbus module with breaker status sensor F36= Metering PLUS Voltage-tap bottom side I, U, P, W, Q, f, cos phi, harmonics, THD, K13= Remote reset magnet 220-240 V DC/250 V DC R15= Position signaling switch, withdrawable part 3 changeover contacts R21= Shutter 2-part can be locked with padlock S07= Castell/Fortress in Off position with 4 padlock (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2

Model	
Product brand name	SENTRON
Product designation	ACB
Design of the product	IEC 60947-2
Design of the operating mechanism	Pushbutton

Type of the driving mechanism	Manual operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive	No
Design of the overcurrent release	ETU76B

General technical data

Number of poles	3
Size of the circuit-breaker	2
Usage category	B
circuit-breaker / Design	3WL1

Voltage

Rated insulation voltage U_i	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	55 W
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Current

Operating current / at 45 °C / rated value	1 250 A
Continuous current / rated value	1 250 A
Adjustable pick-up value current - of the current-dependent overload release / Full-scale value - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / Full-scale value	1 250 A 1 875 A 52 800 A

Main circuit

Operating frequency 1 / rated value 2 / rated value	50 Hz 60 Hz
Operating current - at 40 °C / rated value - at 50 °C / rated value - at 55 °C / rated value	1 250 A 1 250 A 1 250 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
Adjustable parameters	
Adjustable pick-up value current	
• of the L-trip / with I4t characteristic / initial value	500 A
• of the L-trip / with I4t characteristic / Full-scale value	1 250 A
Adjustable pick-up value current / of the current-dependent overload release / initial value	500 A
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	Yes
• undervoltage release	No
Product extension / optional / motor drive	Yes
Product function	
Product function	
• Ground fault protection	No
• Phase failure detection	Yes
Display and operation	
Display version	With fully-graphical 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	Main connection rear side horizontal
Type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
Height	465.5 mm
Width	460 mm
Depth	456 mm
Mounting type	drawer unit

Environmental conditions

Ambient temperature / during operation	
• minimum	-40 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C

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	other
 BUREAU VERITAS  LRS  RMRS	CCS / China Classification Society Environmental Confirmations Manufacturer Declaration

other
Confirmation Miscellaneous

Further information

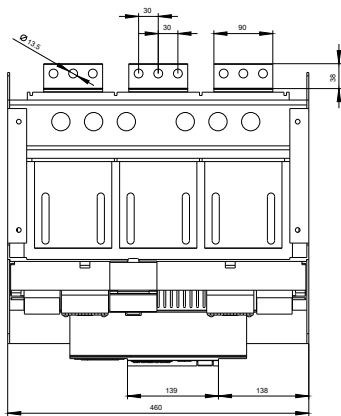
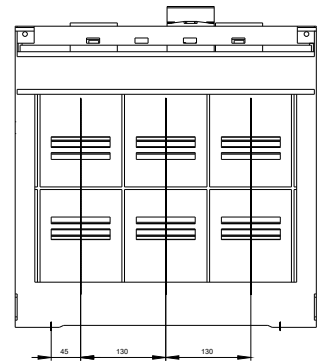
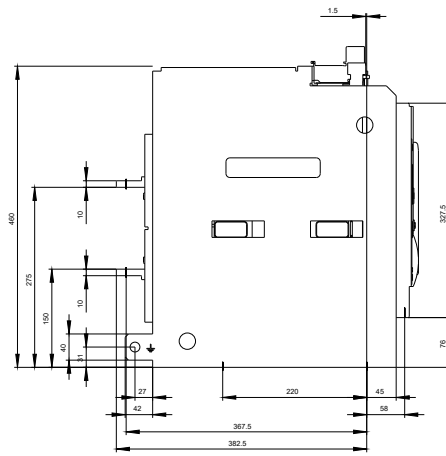
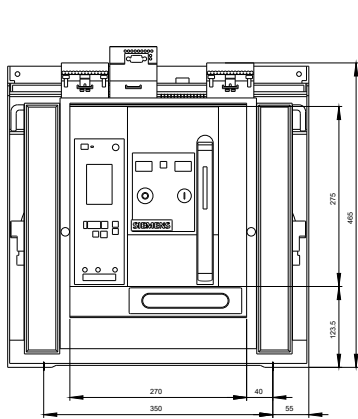
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1212-2NB66-3GA2-Z C22+F12+F36+K13+R15+R21+S07>

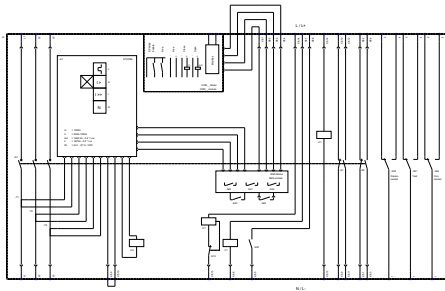
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-2NB66-3GA2-Z C22+F12+F36+K13+R15+R21+S07>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-2NB66-3GA2-Z C22+F12+F36+K13+R15+R21+S07

CAX-Online-Generator
<http://www.siemens.com/cax>

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





last modified:

05/27/2020