

withdrawable circuit breaker with guide frame 3-pole, size II, IEC
In=2000A to 690V, AC50/60Hz Icu=66kA at 500V rear connection
horizontal Overcurrent release ETU 27 LSING protection adjustable
0.4-1 in Ground fault/N protection integrated With manual operating
mechanism with storage with mechanical request without 1st
auxiliary release without 2nd auxiliary release 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 operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No

design of the overcurrent release	ETU27B
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	LSING
Dissipation	
power loss [W] - for rated value of the current / at AC / in hot operating state / per pole - maximum	106.7 W 320 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 - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / full-scale value	2 000 A 40 000 A 40 000 A
Main circuit	
operating frequency 1 / rated value 2 / rated value	50 Hz 60 Hz
operational current - at 40 °C / rated value - at 50 °C / rated value - at 55 °C / rated value - at 60 °C / rated value - at 65 °C / rated value - at 70 °C / rated value	2 000 A 2 000 A 2 000 A 2 000 A 2 000 A 2 000 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
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	800 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
• grounding protection	Yes
• phase failure detection	Yes
Display and operation	
display version	without display
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	465.5 mm

width	460 mm
depth	456 mm
fastening method	drawer unit

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.	Special Test Certificate Miscellaneous	 ABS  BUREAU VERITAS

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

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-2DG36-1AA2>

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

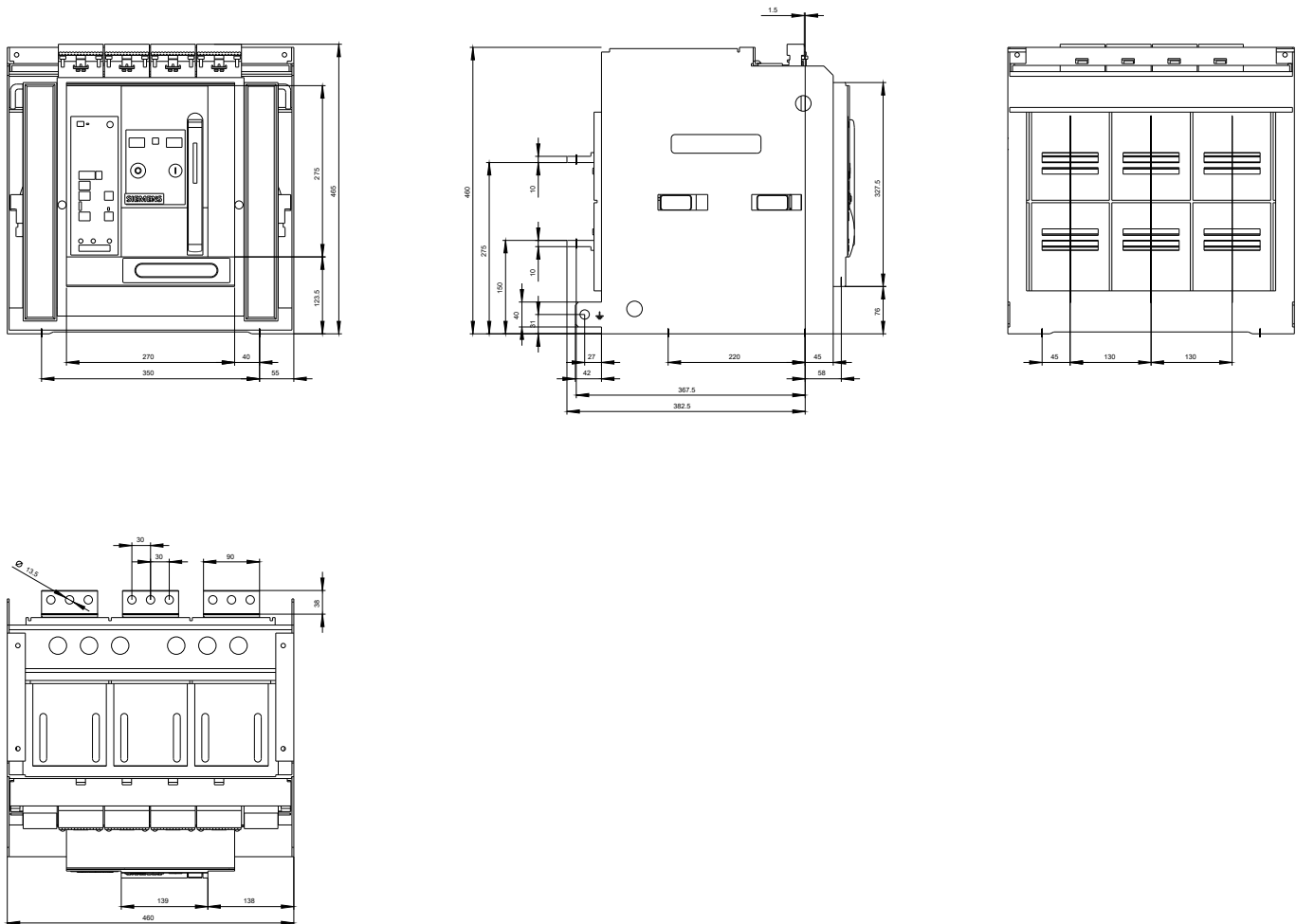
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-2DG36-1AA2>

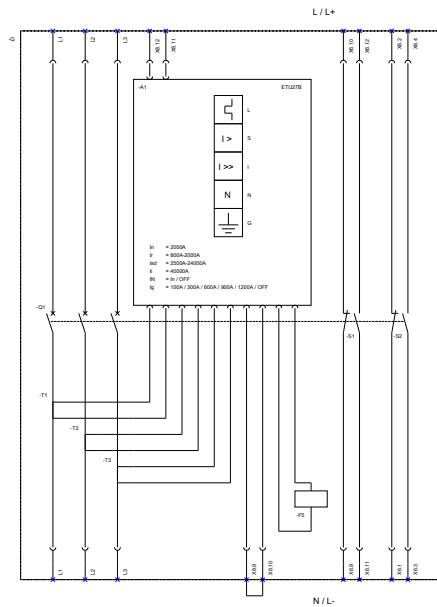
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-2DG36-1AA2

CAX-Online-Generator

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





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