

withdrawable circuit breaker with guide frame 3-pole, size II, IEC
 $I_n=2000A$ to 690V, AC50/60Hz $I_{cu}=66kA$ 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	106.7 W
• maximum	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	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	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	
<ul style="list-style-type: none"> • trip indicator • voltage trigger • undervoltage release 	Yes No No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
<ul style="list-style-type: none"> • grounding protection • phase failure detection 	Yes Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value 	66 kA 66 kA 50 kA
<ul style="list-style-type: none"> • breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value 	66 kA 66 kA 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
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Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> • minimum • maximum 	<p>-20 °C</p> <p>70 °C</p>
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum • maximum 	<p>-40 °C</p> <p>70 °C</p>

Certificates

reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to IEC 81346-2 	<p>Q</p> <p>Q</p>

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
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[Special Test Certificate](#)

[Miscellaneous](#)



Shipping Approval	other
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[CCS / China Classification Society](#)

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

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

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

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

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

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

CAX-Online-Generator

siemens.com/cax

Tender specifications

siemens.com/specifications



