

Fixed-mounted circuit breaker 3-pole, Size 2, IEC In=4000 A up to 690 V, 50/60 Hz AC Icu=80 kA at 500 V Rear vertical connection
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 auxiliary switch	2 NO + 2 NC
Design of the operating mechanism	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
Usage category	B
circuit-breaker / Design	3WL1

Voltage	
Rated insulation voltage Ui	1 000 V

Protection class	
Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LSING

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	250 W

Electricity	
Operating current / at 45 °C / rated value	4 000 A
Continuous current / rated value	4 000 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	4 000 A
• of instantaneous short-circuit trip unit / initial value	50 000 A

• of instantaneous short-circuit trip unit / Full-scale value	50 000 A
Main circuit	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Operating current	
• at 40 °C / rated value	4 000 A
• at 50 °C / rated value	3 950 A
• at 55 °C / rated value	3 950 A
• at 60 °C / rated value	3 810 A
• at 65 °C / rated value	3 810 A
• at 70 °C / rated value	3 600 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 current-dependent overload release / initial value	1 600 A
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	No
• undervoltage release	No
Product extension / optional / motor drive	Yes
Product function	
Product function	
• Ground fault protection	Yes
• Phase failure detection	Yes
Display and operation	
Display version	without display
Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	85 kA

• at 500 V / rated value	85 kA
• at 690 V / rated value	75 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	85 kA
• at 500 V / rated value	85 kA
• at 690 V / rated value	75 kA

Connections

Arrangement of electrical connectors / for main current circuit	Main terminal on the rear vertical
Type of electrical connection / for main current circuit	busbar connection

Mechanical Design

Height	440.5 mm
Width	460 mm
Depth	419 mm
Mounting type	fixed mounting

Environmental conditions

Ambient temperature	
• during operation / minimum	-20 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	70 °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
--------------------------	---------------------------	-------------------	-------------------



[Miscellaneous](#)

[Special Test Certificate](#)



GL

Shipping Approval	other
-------------------	-------



PRS



RMRS

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1240-3DG61-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1240-3DG61-1AA2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1240-3DG61-1AA2

CAX-Online-Generator

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

Tender specifications

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

last modified:

03/20/2019