

withdrawable circuit breaker without guide frame 4-pole, size II, IEC
 $I_n=3200\text{A}$ to 690V, AC50/60Hz $I_{cu}=66\text{kA}$ at 500V rear connection
 horizontal Overcurrent release ETU 27 LSING protection adjustable 0.4-1
 in Ground fault/N protection integrated 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 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

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	ETU27B
General technical data	
number of poles	4
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	236.7 W
• maximum	710 W
Current	
operational current	
• at 40 °C / rated value	3 200 A
• at 45 °C / rated value	3 200 A
• at 50 °C / rated value	3 200 A
• at 55 °C / rated value	3 200 A
• at 60 °C / rated value	3 020 A
• at 65 °C / rated value	3 020 A
• at 70 °C / rated value	2 870 A
continuous current / rated value / maximum	3 200 A
continuous current / rated value	3 200 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	3 200 A
• of instantaneous short-circuit trip unit / minimum	50 000 A
• of instantaneous short-circuit trip unit / maximum	50 000 A
Main circuit	

operating frequency			
● 1 / rated value		50 Hz	
● 2 / rated value		60 Hz	
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		1 280 A	
Product details			
product component			
● trip indicator		Yes	
● voltage trigger		Yes	
● undervoltage release		No	
design of the auxiliary switch		2 NO + 2 NC	
product extension / optional / motor drive		No	
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	
● at 500 V / rated value		66 kA	
● at 690 V / rated value		50 kA	
breaking capacity maximum short-circuit current (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		without guide frame	
type of electrical connection / for main current circuit		Blade contacts	
Mechanical Design			
height		411.5 mm	
width		555 mm	
depth		337 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	
General Product Approval		EMC	Declaration of Conformity
			Test Certificates



[UK Declaration of Conformity](#)

[Special Test Certificate](#)

Test Certificates

Marine / Shipping

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

Dangerous Good

[CCS / China Classification Society](#)

[Confirmation](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-2DG45-4GA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-2DG45-4GA2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-2DG45-4GA2

CAX-Online-Generator

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

Tender specifications

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



