

withdrawable circuit breaker without guide frame 3-pole, size II, IEC  
 $I_n=3200\text{A}$  to 690V, AC50/60Hz  $I_{cu}=80\text{kA}$  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 110-127 V AC or 110-  
 125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st auxiliary  
 release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load  
 factor without 2nd auxiliary release 4NO+4NC

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	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	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
<b>Auxiliary circuit</b>	
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
<b>Suitability</b>	
suitability for use	Plant / motor protection
<b>Adjustable parameters</b>	
adjustable current response value current / of the current-dependent overload release / initial value	1 280 A
<b>Product details</b>	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
<b>Product function</b>	
product function	
• grounding protection	Yes
• phase failure detection	Yes
<b>Display and operation</b>	
display version	without display
<b>Short circuit</b>	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
<b>Connections</b>	
arrangement of electrical connectors / for main current circuit	without guide frame
type of electrical connection / for main current circuit	Blade contacts
<b>Mechanical Design</b>	
height	411.5 mm
width	451 mm
depth	337 mm
fastening method	drawer unit
<b>Environmental conditions</b>	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C
<b>General Product Approval</b>	
EMC	
Declaration of Conformity	

[Confirmation](#)



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**other**



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**other**

**Dangerous Good**

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**Further information**

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-3DG35-5FA4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-3DG35-5FA4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1232-3DG35-5FA4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3DG35-5FA4)

**CAX-Online-Generator**

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

**Tender specifications**

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





