

withdrawable circuit breaker without guide frame 3-pole, size II, IEC In=1250A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in 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 without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 110-127 V AC, 110-125 V DC 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	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	55 W
• maximum	165 W
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
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No

• phase failure detection	Yes	
<b>Display and operation</b>		
display version	without display	
<b>Short circuit</b>		
operating short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	80 kA	
• at 500 V / rated value	80 kA	
• at 690 V / rated value	75 kA	
maximum short-circuit current breaking capacity (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>	<b>EMC</b>	<b>Declaration of Conformity</b>

[Confirmation](#)



**Test Certificates**

**Marine / Shipping**

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Miscellaneous](#)



**Marine / Shipping**

**other**



[CCS / China Classification Society](#)



[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

**Dangerous Good**

**Environment**

[Transport Information](#)

[Environmental Confirmations](#)

**Further information**

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mifb=3WL1212-3CB35-5AM2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-3CB35-5AM2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1212-3CB35-5AM2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-3CB35-5AM2)

CAX-Online-Generator

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

Tender specifications

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



---

last modified:

6/21/2023 

