

withdrawable circuit breaker with guide frame 3-pole, size I, IEC
In=800A to 690V, AC50/60Hz Icu=55kA at 500V w. connection
flange Overcurrent release ETU 45 LSIN protection adjustable 0.4-1
in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS
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 auxiliary switch	2 NO + 2 NC
Design of the product	IEC 60947-2
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	ETU45B
General technical data	
Number of poles	3
Size of the circuit-breaker	1
Usage category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	1 000 V
Protection class	
Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LSIN
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	65 W
Electricity	
Operating current / at 45 °C / rated value	800 A
Continuous current / rated value	800 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	800 A
• of instantaneous short-circuit trip unit / initial value	1 200 A
• of instantaneous short-circuit trip unit / Full-scale value	9 600 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	800 A
• at 50 °C / rated value	800 A
• at 55 °C / rated value	800 A
• at 60 °C / rated value	800 A
• at 65 °C / rated value	800 A
• at 70 °C / rated value	800 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 L-trip / with I _{4t} characteristic / initial value	320 A
• of the L-trip / with I _{4t} characteristic / Full-scale value	800 A
Adjustable pick-up value current / of the current-dependent overload release / initial value	320 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	No
• Phase failure detection	Yes
Display and operation	
Display version	without display
Short circuit	
Operational short-circuit current breaking capacity (I _{cs})	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
Maximum short-circuit current breaking capacity (I _{cu})	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
Connections	
Arrangement of electrical connectors / for main current circuit	Rear connection flange
Type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
Height	460 mm
Width	320 mm

Depth	429.5 mm
Mounting type	drawer unit

Environmental conditions

Ambient temperature

-20 ... +70 °C

-40 ... +70 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

Q

Q

General Product Approval

Declaration of Conformity

Test Certificates



CCC

CB

CB



VDE



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval



ABS



**Lloyd's
Register**

LRS



PRS



RMRS

[CCS / China Classification Society](#)

other

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-2EB38-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-2EB38-1AA2>

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

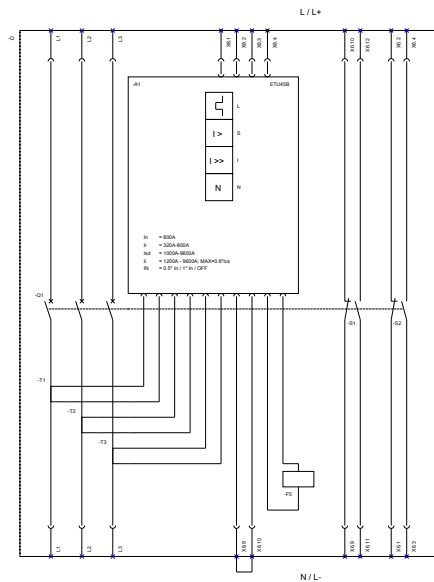
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-2EB38-1AA2

CAX-Online-Generator

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

Tender specifications

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



L (Long Time Delay / Überlastschutz), S (Short Time Delay / Kurzschlusschutz, kurzzeileverzögert)
 I (Instantaneous / Kurzschlusschutz, unverzögert), N (Neutral Protection / Neutrallebensschutz), FS (Magnet for trip unit / Auslösemagnet)
 -S1 -S2 (Auxiliary switch / Hilfskontakt)

last modified:

12/13/2019