

withdrawable circuit breaker with guide frame 3-pole, size i, IEC
In=1250A to 690V, AC50/60Hz Icu=55kA at 500V rear connection
horizontal Overcurrent release ETU45 LSIN protection adjustable
0.4-1 in with display and cubicle bus Opt.: Comm. /measuring
func./ground fault/ ZSS 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 4NO+4NC K07= Tripped
signaling contact, 1 CO not possible with option F02 R21= Shutter 2-
part can be locked with padlock T40= Door sealing frame



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the product	IEC 60947-2
Design of the operating mechanism	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	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
Operating voltage at AC / at 50/60 Hz / rated value	690 V
Protection class	
Protection class IP	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	68.3 W
Current	
Operating current / at 45 °C / rated value	1 250 A
Continuous current / rated value	1 250 A
Adjustable pick-up value current - of the current-dependent overload release / Full-scale value - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / Full-scale value	1 250 A 1 875 A 15 000 A
Main circuit	
Operating frequency 1 / rated value 2 / rated value	50 Hz 60 Hz
Operating current - at 40 °C / rated value - at 50 °C / rated value - at 55 °C / rated value	1 250 A 1 250 A 1 250 A
Auxiliary circuit	
Number of NC contacts / for auxiliary contacts	4
Number of NO contacts / for auxiliary contacts	4
Suitability	
Suitability for use	Plant / motor protection

Adjustable parameters

Adjustable pick-up value current	
• of the L-trip / with I _{4t} characteristic / initial value	500 A
• of the L-trip / with I _{4t} characteristic / Full-scale value	1 250 A
Adjustable pick-up value current / of the current-dependent overload release / initial value	500 A

Product details

Product component	
• Trip indicator	Yes
• Voltage trigger	Yes
• undervoltage release	No
Product extension / optional / motor drive	No

Product function

Product function	
• Ground fault protection	No
• Phase failure detection	Yes

Display and operation

Display version	WITH 4-LINE 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	Main connection rear side horizontal
Type of electrical connection / for main current circuit	busbar connection

Mechanical Design

Height	460 mm
Width	320 mm
Depth	456 mm
Mounting type	drawer unit

Environmental conditions

Ambient temperature / during operation	
--	--

- minimum -20 °C
- maximum 55 °C

Ambient temperature / during storage

- minimum -40 °C
- 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



CCC

CB

CB



VDE



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



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=3WL1112-2FB36-4GA4-Z K07+R21+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2FB36-4GA4-Z K07+R21+T40>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2FB36-4GA4-Z K07+R21+T40

CAX-Online-Generator

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

Tender specifications

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

last modified:

04/15/2020