

withdrawable circuit breaker without guide frame 4-pole, size III, IEC
In=4000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection
horizontal Overcurrent release ETU 45 LSING protection adjustable
0.4-1 in with cubicle bus and Ground fault protection Opt.:
Comm./measuring func./ZSS 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 With 2nd auxiliary release "R", F3 Undervoltage,
instant. 110-127 V AC, 110-125 V DC 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	ETU45B
General technical data	
number of poles	4
size of the circuit-breaker	3
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	270 W
• maximum	810 W
Current	
continuous current / rated value / maximum	4 000 A
continuous current / rated value	4 000 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / initial value	6 000 A
• of instantaneous short-circuit trip unit / full-scale value	48 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °C / rated value	4 000 A
• at 50 °C / rated value	4 000 A
• at 55 °C / rated value	4 000 A
• at 60 °C / rated value	4 000 A
• at 65 °C / rated value	4 000 A
• at 70 °C / rated value	4 000 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
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 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	100 kA
• breaking capacity operating short-circuit current (Ics) / at 500 V / rated value	100 kA
• breaking capacity operating short-circuit current (Ics) / at 690 V / rated value	85 kA
• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value	100 kA
• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value	100 kA
• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value	85 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	410 mm
width	701 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

Certificates

reference code	
• acc. to DIN EN 61346-2	Q
• acc. to IEC 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
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CCC



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)



ABS



BUREAU VERITAS

Shipping Approval	other
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LRS



PRS



RMRS

[CCS / China Classification Society](#)

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

other

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4EG45-5FM4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4EG45-5FM4>

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

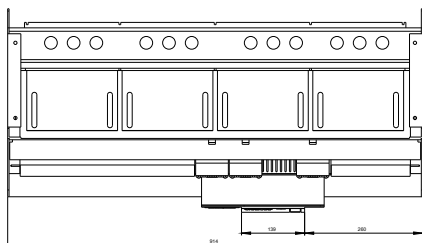
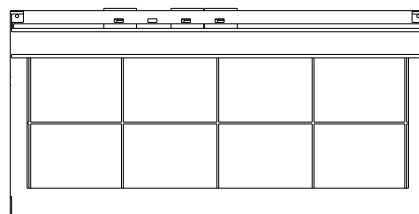
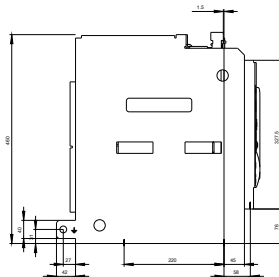
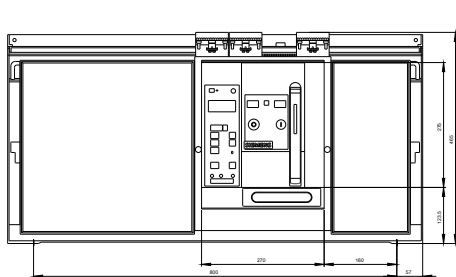
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4EG45-5FM4

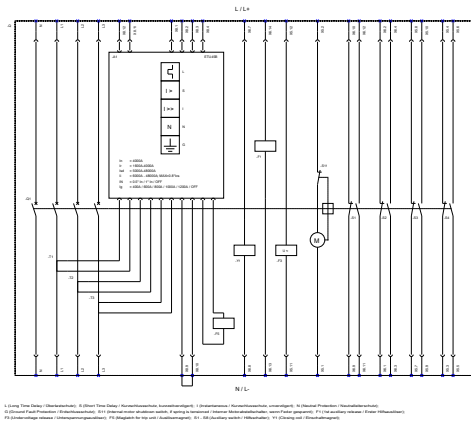
CAX-Online-Generator

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

Tender specifications

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





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11/20/2020