

withdrawable circuit breaker without guide frame 3-pole, size II, IEC
 $I_n=3200A$ to 690V, AC50/60Hz $I_{cu}=100kA$ at 500V rear connection
 horizontal Overcurrent release ETU 45 LSIN protection adjustable
 0.4-1 in with 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 2NO+2NC K07= Tripped signaling contact, 1 CO
 not possible with option F02



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	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	LSIN
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	
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 / initial value	4 800 A
• of instantaneous short-circuit trip unit / full-scale value	38 400 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational current	
• at 40 °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

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 current response value current	
<ul style="list-style-type: none"> • of the L-trip / with I4t characteristic / initial value • of the L-trip / with I4t characteristic / full-scale value 	1 280 A 3 200 A
adjustable current response value current / of the current-dependent overload release / initial value	1 280 A

Product details

product component	
<ul style="list-style-type: none"> • trip indicator • voltage trigger • undervoltage release 	Yes Yes No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No

Product function

product function	
<ul style="list-style-type: none"> • grounding protection • phase failure detection 	No Yes

Display and operation

display version	without display
-----------------	-----------------

Short circuit

<ul style="list-style-type: none"> • breaking capacity operating short-circuit current (Ics) / at 415 V / rated value • breaking capacity operating short-circuit current (Ics) / at 500 V / rated value • breaking capacity operating short-circuit current (Ics) / at 690 V / rated value 	100 kA 100 kA 85 kA
<ul style="list-style-type: none"> • breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value 	100 kA 100 kA 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	411.5 mm
width	451 mm
depth	337 mm
fastening method	drawer unit





Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> • minimum • maximum 	-20 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 70 °C

Certificates

reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to IEC 81346-2 	Q Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 VDE	 EG-Konf.	Miscellaneous Special Test Certificate  ABS

Shipping Approval	other
 BUREAU VERITAS	 LRS
 PRS	 RMRS
CCS / China Classification Society	Environmental Confirmations

other
Manufacturer Declaration
Confirmation
Miscellaneous

Further information

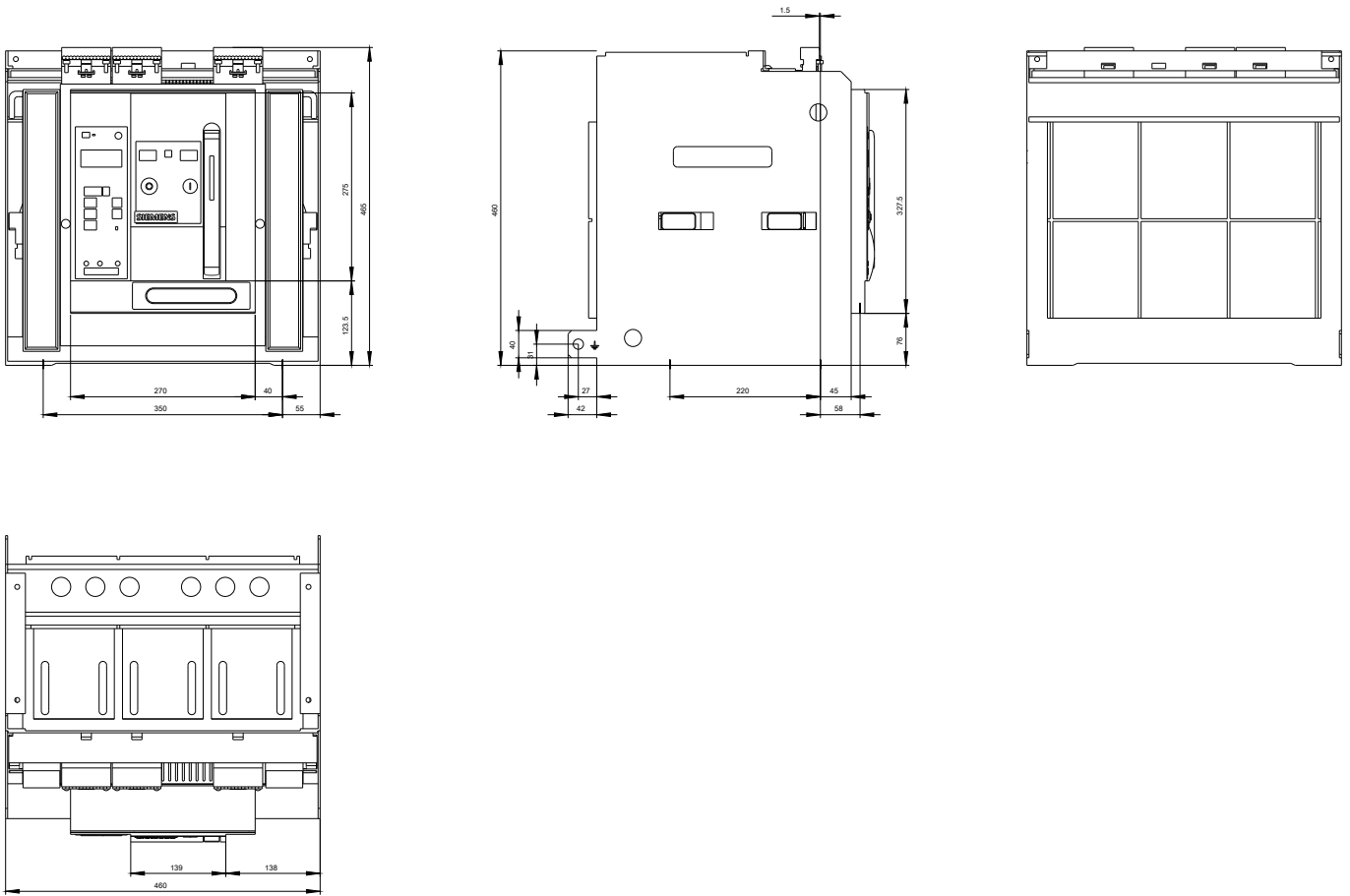
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-4EB35-4GA2-Z K07>

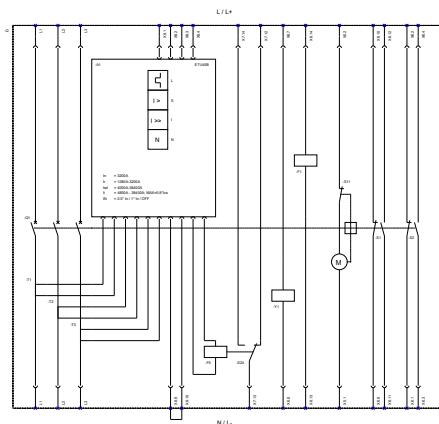
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-4EB35-4GA2-Z K07>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-4EB35-4GA2-Z K07

CAX-Online-Generator
<http://www.siemens.com/cax>

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





1. Leistung (Power)
 2. Schutz (Protection)
 3. Steuerung (Control)
 4. Messung (Measurement)
 5. Überwachung (Monitoring)
 6. Ansteuerung (Actuation)
 7. Signalverarbeitung (Signal Processing)
 8. Kommunikation (Communication)
 9. Diagnose (Diagnosis)
 10. Dokumentation (Documentation)

last modified:

10/26/2020