

WITHDRAWABLE CIRCUIT BREAKER WITHOUT
GUIDE FRAME 3-POLE, SIZE II, IEC IN=3200A TO
690V, AC50/60HZ ICU=80KA AT 500V REAR
CONNECTION HORIZONTAL

Model		
Product brand name		SENTRON
Product designation		ACB
Design of the auxiliary switch		4 NO + 4 NC
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		ETU25B
General technical data		
Number of poles		3
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1232
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Rated insulation voltage Ui	V	1 000
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	236.7
• maximum	W	710
Electricity		
Operating current / at 45 °C / rated value	A	3 200
Continuous current / rated value	A	3 200
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	50 000

• of instantaneous short-circuit trip unit / Full-scale value	A	50 000
Short-time current resistance (I_{cw})		
• limited to 0.5 s / rated value	kA	80
• limited to 2 s / rated value	kA	46
• limited to 3 s / rated value	kA	44

Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690
Operating current		
• at 40 °C / rated value	A	3 200
• at 50 °C / rated value	A	3 200
• at 55 °C / rated value	A	3 200
• at 60 °C / rated value	A	3 020
• at 65 °C / rated value	A	3 020
• at 70 °C / rated value	A	2 870

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 short-time delayed short-circuit release / initial value	A	4 000
• of the short-time delayed short-circuit release / Full-scale value	A	38 400

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

Display and operation		
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Display version		without display
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Short-time current resistance (Icw) / limited to 1 s / rated value	kA	66
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	mm	411.5
Width	mm	451
Depth	mm	337
Mounting type		drawer unit
Environmental conditions		
Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		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	 GL	 LRS	 PRS	 RMRS	Environmental Confirmations

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-3CB35-5FA4-Z B32+C11+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-3CB35-5FA4-Z B32+C11+K07>

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

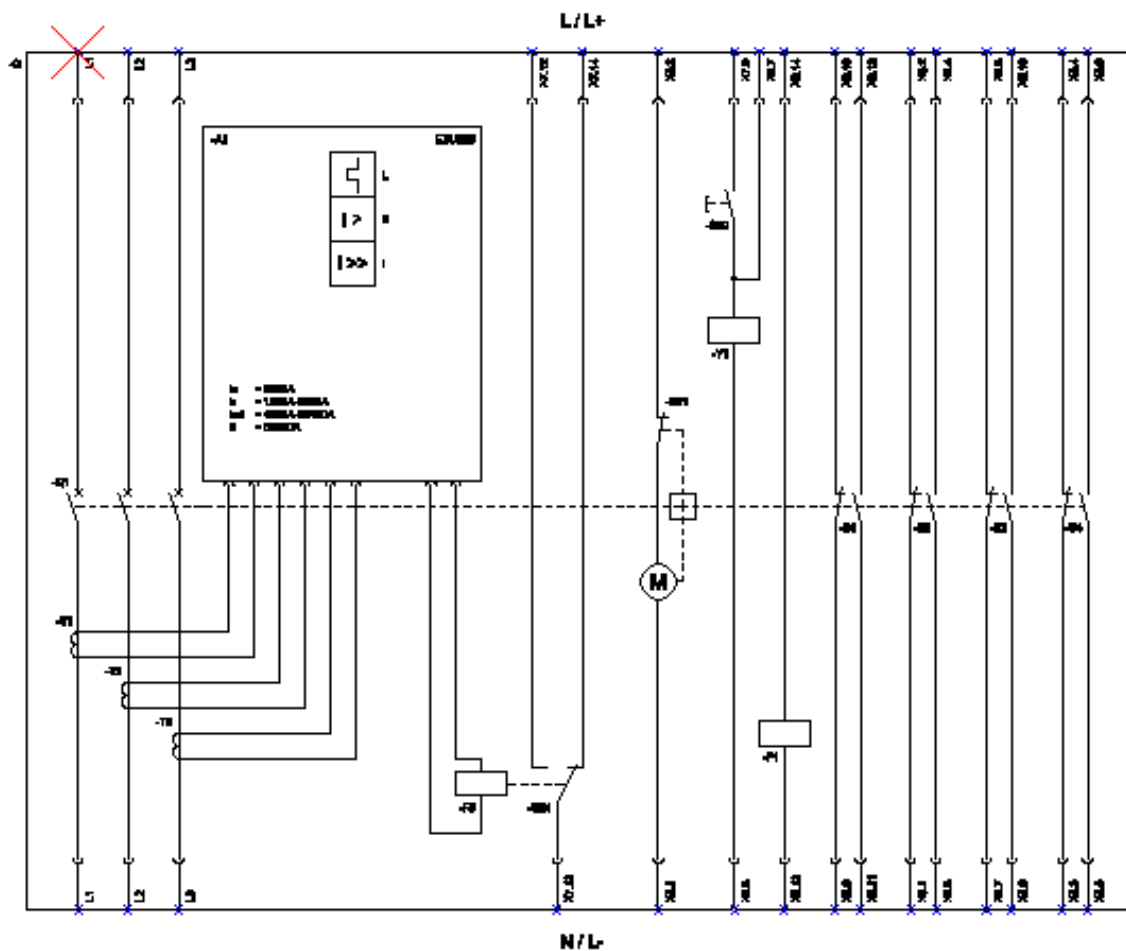
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3CB35-5FA4-Z B32+C11+K07

CAX-Online-Generator

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

Tender specifications

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



1 (Long Time Delay / Dauerstromschütz) 2 (Short Time Delay / Kurzschlußschütz, kurzschlußversperrt) 3 Charakteristiken / Kennschleichen, unversperrt
 M1 (Internal motor shutdown switch, if cycling is limited / Interner Motorschaltkontakt, wenn Zyklen begrenzt) M2 (1st auxiliary release / Erster Hilfskontakt) M3 (Signal for trip unit / Auslösesignal)
 M4 - M5 (Auxiliary switch / Hilfskontakt) M6 (Local Electrical) M7 (1st trip signalling switch STT / Erster Kurzschlußschütz STT) M8 (Closing unit / Einbaueinheit)

last modified:

11/10/2017