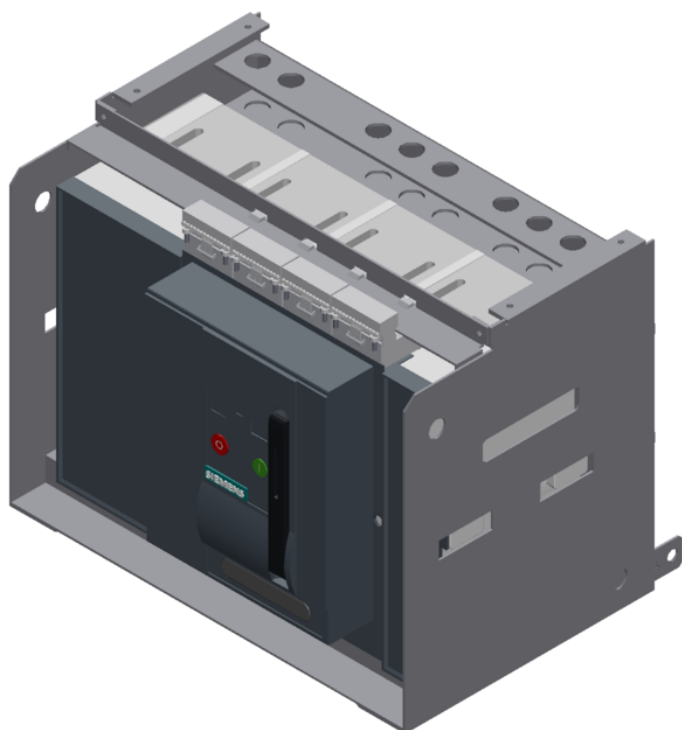


Withdrawable non-automatic air circuit breaker with slide-in module frame 4-pole, Size 2, IEC $I_n=2500$ A to 690 V, 50/60 Hz AC $I_{cu}=80$ kA at 500 V Rear horizontal connection



Model		
Product brand name		SETRON
Product designation		ACB
Design of the product		IEC 60947-2
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		without

General technical data		
Number of poles		4
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1225
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		without

Dissipation		
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	W	173.3

Electricity		
Operating current / at 45 °C / rated value	A	2 500
Continuous current / rated value	A	2 500
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	80
• limited to 1 s / rated value	kA	66
• 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	2 500

- at 50 °C / rated value
- at 55 °C / rated value
- at 60 °C / rated value
- at 65 °C / rated value
- at 70 °C / rated value

A	2 500
A	2 500
A	2 500
A	2 500
A	2 280

Auxiliary circuit

Number of NC contacts / for auxiliary contacts		4
Number of NO contacts / for auxiliary contacts		4

Suitability

Suitability for use		Contact unit without release
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Product details

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

Product function

Product function		
• Ground fault protection		No

Display and operation

Display version		without display
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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

Connections

Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	465.5
Width	mm	590
Depth	mm	456

Mounting type	drawer unit
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Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

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	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

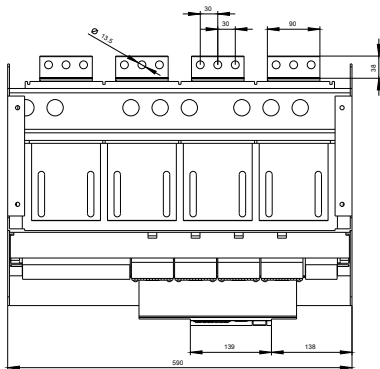
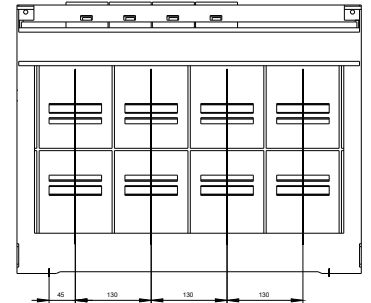
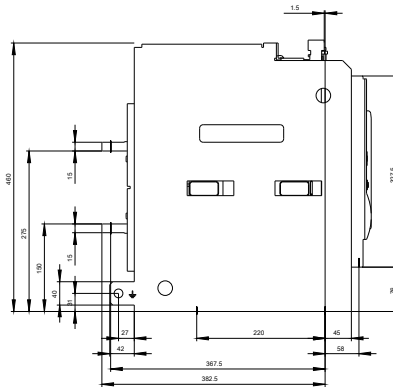
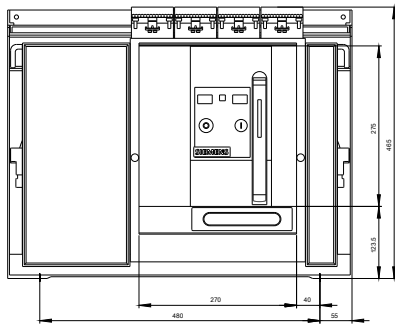
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-3AA46-5FA4-Z C11>

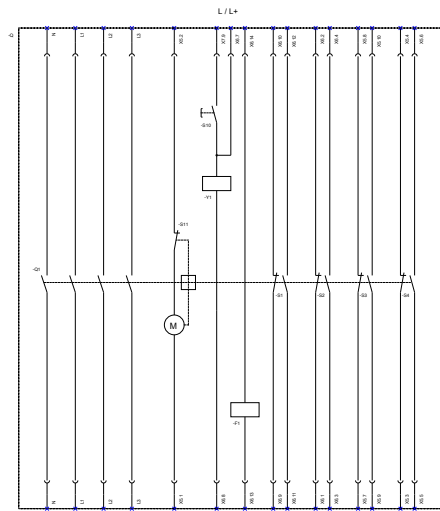
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-3AA46-5FA4-Z C11>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-3AA46-5FA4-Z C11

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

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





S11 (Internal motor shutdown switch, if spring is tensioned / interner Motorschaltzettel, wenn Feder gespannt)
 S2 (2nd auxiliary release / 2ter Hilfsauslöser), S1 - S8 (Primary switch / Hilfsauslöser), S10 (Local Electrical), S11 (Closing coil / Einschaltmagnet)

last modified:

07/18/2018