

WITHDRAW. NON-AUT. CIRCUIT-B. WITH GUIDE
FRAME 4-POLE, SIZE I, IEC IN=1000A TO 690V,
AC50/60HZ ICU=66KA AT 500V REAR CONNECTION
HORIZONTAL

Model		
product brandname		SETRON
Product designation		ACB
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		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1110
Mechanical service life (switching cycles) / typical		20 000
Voltage		
Rated insulation voltage Ui	V	1 000
Insulation voltage / rated value	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	65
• maximum	W	195
Electricity		
Continuous current / rated value	A	1 000
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	66
• limited to 1 s / rated value	kA	50
• limited to 2 s / rated value	kA	35
• limited to 3 s / rated value	kA	29

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	1 000
• at 50 °C / rated value	A	1 000
• at 55 °C / rated value	A	1 000
• at 60 °C / rated value	A	1 000
• at 65 °C / rated value	A	1 000
• at 70 °C / rated value	A	1 000
Suitability		
Suitability for use		Contact unit without release
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
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
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	460
Width	mm	410
Depth	mm	456
Mounting type		drawer unit

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		
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval	Declaration of Conformity	Test Certificates
 CB	 CCC	 VDE
 EAC	 EG-Konf.	spezielle Prüfbescheinigungen n

Test Certificates	Shipping Approval				
sonstig	 ABS	 BUREAU VERITAS	 DNV	 GL	 LRS

Shipping Approval	other	
 PRS	 RMRS	Umweltbestätigung sonstig

Further information
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1110-3AA46-5FA4-Z R16+R21
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3WL1110-3AA46-5FA4-Z R16+R21/all
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-3AA46-5FA4-Z R16+R21

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

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

last modified:

10/20/2016