

Model		
product brand name		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		3
Electrical endurance (switching cycles) / typical		10 000
Usage category		B
circuit-breaker / Design		3WL1340
Mechanical service life (switching cycles) / typical		10 000
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		
Active power loss		
• maximum	W	810
Electricity		
Continuous current / Rated value	A	4 000
Short-time current resistance (Icw)		
• limited to 0.5 s / Rated value	kA	100
• limited to 1 s / Rated value	kA	100
• limited to 2 s / Rated value	kA	80
• limited to 3 s / Rated value	kA	65
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	4 000
• at 50 °C / Rated value	A	4 000
• at 55 °C / Rated value	A	4 000
• at 60 °C / Rated value	A	4 000
• at 65 °C / Rated value	A	4 000
• at 70 °C / Rated value	A	4 000
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
Product details		
Product component		
• Trip indicator		No
• Voltage trigger		Yes
• undervoltage release		No
Product expansion / 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	100
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	85
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / Rated value	kA	100
• at 500 V / Rated value	kA	100
• at 690 V / Rated value	kA	85
• at 1000/1150 V / Rated value	kA	50
Short-circuit current making capacity (Icm)		
• at 415 V / Rated value	kA	220
• at 500 V / Rated value	kA	220
• at 690 V / Rated value	kA	187

• at 1000/1150 V / Rated value

kA 105

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	410
Width	mm	701
Depth	mm	337
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
 CCC	 VDE	 EAC
	sonstig	 EG-Konf.

Test Certificates	Shipping Approval				
spezielle Prüfbescheinigung n	 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/3WL13404AA455FA4>

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

<http://support.automation.siemens.com/WW/view/en/3WL13404AA455FA4/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL13404AA455FA4

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

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