

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		ETU27B
General technical data		
Number of poles		3
Tripping characteristics / Upper tolerance band		AK_3WL_ETU27B_LSING_o
Tripping characteristics / Lower tolerance band		AK_3WL_ETU27B_LSING_u
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1210
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Rated insulation voltage U_i	V	1 000
Insulation voltage / Rated value	V	1 000
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSING
Dissipation		
Active power loss		
• maximum	W	95
Electricity		
Continuous current / Rated value	A	1 000
Adjustable response value current		
• of the current-dependent overload release / Full-scale value	A	1 000
• of the instantaneous short-circuit release / initial value	A	20 000
• of the instantaneous short-circuit release / Full-scale value	A	20 000
Short-time current resistance (I_{cw})		

- limited to 0.5 s / Rated value
- limited to 1 s / Rated value
- limited to 2 s / Rated value
- limited to 3 s / Rated value

kA	80
kA	66
kA	46
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	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

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
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Adjustable parameters

Adjustable response value current / of the current-dependent overload release / initial value	A	400
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Product details

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

Product function

Product function		
• Ground fault protection		Yes
• Phase failure detection		Yes

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
Short-circuit current making capacity (Icm)		
• at 415 V / Rated value	kA	176
• at 500 V / Rated value	kA	176
• at 690 V / Rated value	kA	165

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	460
Depth	mm	456
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
 CCC	 VDE		sonstig	spezielle Prüfbescheinigungen n
			 EG-Konf.	

Test Certificates	Shipping Approval				
sonstig	 ABS	 BUREAU VERITAS	 GL	 LRS	 PRS

Shipping Approval	other	
 RMRS	Umweltbestätigung	sonstig

Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL12103DG365FA4>

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

<http://support.automation.siemens.com/WW/view/en/3WL12103DG365FA4/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL12103DG365FA4

CAX-Online-Generator

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

Tender specifications

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

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