SIEMENS

Show actual product details

Data sheet 3WL1232-3DG45-5FA4-Z B32+C11+F21+K07

WITHDRAWABLE CIRCUIT BREAKER WITHOUT GUIDE FRAME 4-POLE, SIZE II, IEC IN=3200A TO 690V, AC50/60HZ ICU=80KA AT 500V REAR CONNECTION HORIZONTAL

Model		
product brandname		SENTRON
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		4
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
Insulation voltage / rated value	V	1 000
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSING
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		
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 (Icw)		
• 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	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
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		Yes
Display and operation		
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-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		without guide frame
Type of electrical connection / for main current circuit		Blade contacts

Mechanical Design

Height	mm	411.5
Width	mm	555
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	
CCC	VDE		EG-Konf.	spezielle Prüfbescheinigungen	sonstig

Shipping Approval

ABS | BUREAU VERITAS | GL | LRS | PRS | RMRS

other

Umweltbestätigung | sonstig

Further information

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1232-3DG45-5FA4-Z B32+C11+F21+K07

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3WL1232-3DG45-5FA4-Z B32+C11+F21+K07/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3DG45-5FA4-Z B32+C11+F21+K07

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv

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