

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=1250A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground fault/N protection integrated With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC K07= Tripped signaling contact, 1 CO not possible with option F02 R21= Shutter 2-part can be locked with padlock T40= Door sealing frame



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the product		IEC 60947-2
Design of the auxiliary switch		2 NO + 2 NC
Design of the operating mechanism		Pushbutton

Type of the driving mechanism		Manual operating mechanism with mechanical closing
Type of the driving mechanism / motor drive		No
Design of the overcurrent release		ETU27B

General technical data

Number of poles		3
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1
Mechanical service life (switching cycles) / typical		15 000

Voltage

Rated insulation voltage U_i	V	1 000
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Protection class

Protection class IP		IP41
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	55
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Electricity

Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	25 000
• of instantaneous short-circuit trip unit / Full-scale value	A	25 000
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	1 250
• at 50 °C / rated value	A	1 250

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

A	1 250
A	1 250
A	1 250
A	1 210

Auxiliary circuit

Number of NC contacts / for auxiliary contacts		2
Number of NO contacts / for auxiliary contacts		2

Suitability

Suitability for use		Plant / motor protection
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Product details

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

Product function

Product function		
• Ground fault protection		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

Connections

Type of electrical connection / for main current circuit		busbar connection
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Mechanical Design

Height	mm	465.5
Width	mm	460
Depth	mm	456
Mounting type		drawer unit

Environmental conditions

Ambient temperature		
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- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

°C	-20
°C	70
°C	-40
°C	70

Certificates

Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
Waste electronic equipment must not be disposed as unsorted municipal waste, e.g. household waste. For disposing the waste electronic equipment it is necessary to observe the current local national/international regulations.		
		

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 VDE	 EG-Konf.	Special Test Certificate Miscellaneous  ABS

Shipping Approval	other
 BUREAU VERITAS	 GL
 LRS	 PRS
	 RMRS
	Environmental Confirmations

other
Manufacturer Declaration Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1212-3DG36-1AA2-Z K07+R21+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-3DG36-1AA2-Z K07+R21+T40>

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

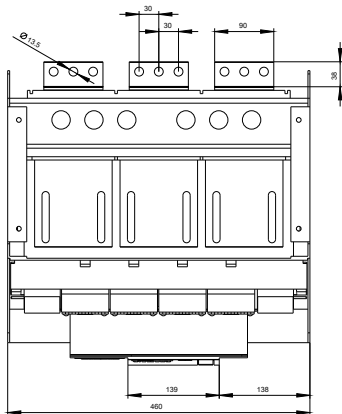
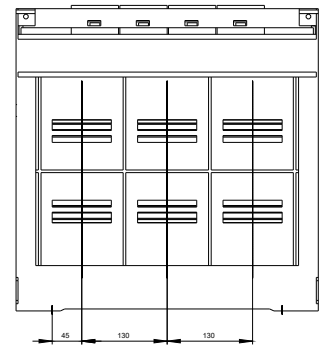
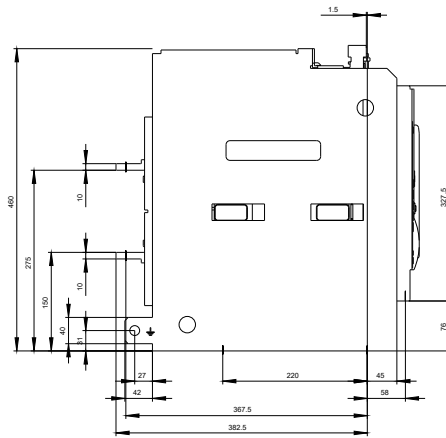
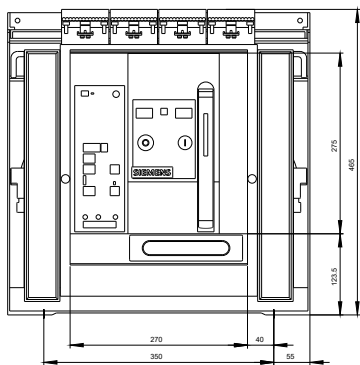
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-3DG36-1AA2-Z K07+R21+T40

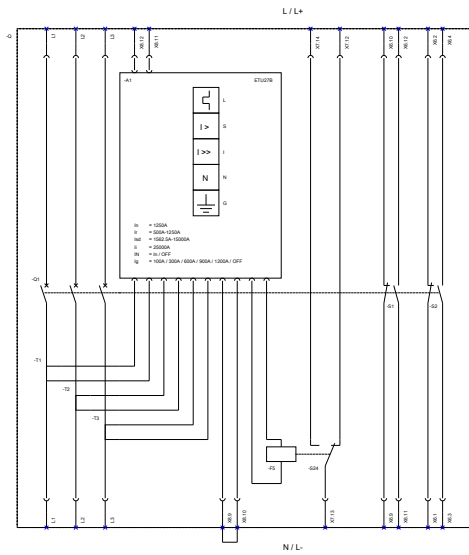
CAX-Online-Generator

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

Tender specifications

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





L: Long Time Delay / (Überstromschutz); S: (Short Time Delay / Kurzstromschutz, kurzzeitverzüglich); I: Instantaneous / (Kurzstromschutz, unverzüglich)
 N: Neutral Protection / Neutrallebensschutz; G: (Ground Fault Protection / Erdschutzschutz); FS: (Magnetisch für trip unit / Auslösemagnet)
 A1: (Auxiliary switch / Hilfskontakt); K07: (trip signaling switch K07 (Reset position) / (Erster Auslösekontaktgeber K07 (Reset Position))

last modified:

02/23/2019