

Fixed-mounted circuit breaker 3-pole, Size 2, IEC
In=2500 A to 690 V, 50/60 Hz AC Icu=66 kA at 500 V
Front connection top/bottom double hole



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		ETU25B

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		3WL1225
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI

Dissipation		
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	W	90

Electricity		
Operating current / at 45 °C / rated value	A	2 500
Continuous current / rated value	A	2 500
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	2 500
• 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	66
• limited to 1 s / rated value	kA	55
• limited to 2 s / rated value	kA	39
• limited to 3 s / rated value	kA	32

Main circuit		
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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	2 500
• at 50 °C / rated value	A	2 500
• at 55 °C / rated value	A	2 500
• at 60 °C / rated value	A	2 500
• at 65 °C / rated value	A	2 500
• at 70 °C / rated value	A	2 280

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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Adjustable parameters

Adjustable pick-up value current		
• of the short-time delayed short-circuit release / initial value	A	3 125
• of the short-time delayed short-circuit release / Full-scale value	A	30 000
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	1 000

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		No
• Phase failure detection		Yes

Display and operation

Display version		without display
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Short circuit

Operational short-circuit current breaking capacity (Ics)		
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• 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 connection top front/bottom double hole
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design		
Height	mm	512
Width	mm	460
Depth	mm	379
Mounting type		fixed mounting

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		
Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

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

Shipping Approval					other
					Environmental Confirmations
BUREAU VERITAS	GL	LRS	PRS	RMRS	

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2CB34-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2CB34-1AA2>

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

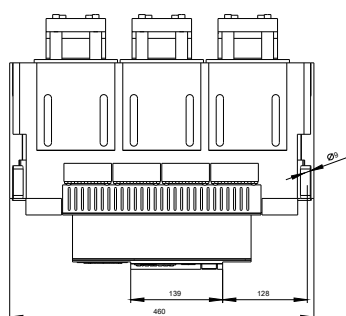
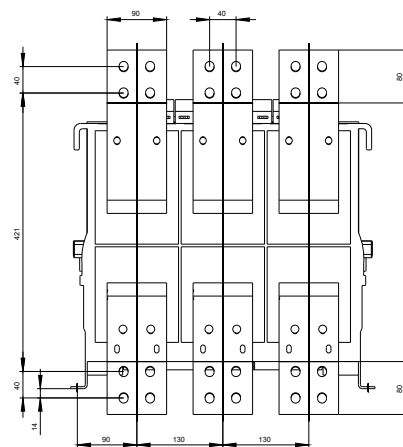
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB34-1AA2

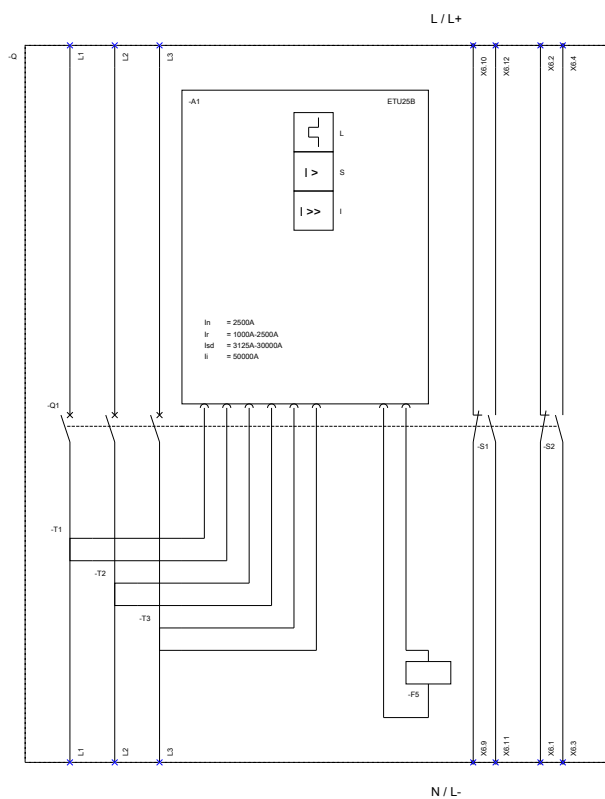
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
 I (Instantaneous / Kurzschlusschutz, unverzögert); F5 (Maglatch for trip unit / Auslösemagnet);
 S1 - S8 (Auxiliary switch / Hilfschalter);

last modified:

06/11/2018