



fixed-mounted circuit breaker 3-pole, size I, IEC In=800A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	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	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
protection function of the overcurrent release	LSI

Dissipation	
power loss [W]	
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	33.3 W
<ul style="list-style-type: none"> maximum 	100 W

Current	
continuous current / rated value / maximum	800 A
continuous current / rated value	800 A
adjustable current response value current	
<ul style="list-style-type: none"> of the current-dependent overload release / full-scale value 	800 A
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / initial value 	16 000 A
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / full-scale value 	16 000 A

Main circuit	
operating frequency	
<ul style="list-style-type: none"> 1 / rated value 	50 Hz
<ul style="list-style-type: none"> 2 / rated value 	60 Hz
operational current	
<ul style="list-style-type: none"> at 40 °C / rated value 	800 A
<ul style="list-style-type: none"> at 50 °C / rated value 	800 A
<ul style="list-style-type: none"> at 55 °C / rated value 	800 A
<ul style="list-style-type: none"> at 60 °C / rated value 	800 A
<ul style="list-style-type: none"> at 65 °C / rated value 	800 A
<ul style="list-style-type: none"> at 70 °C / rated value 	800 A

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

Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	320 A

Product details	
product component	

• trip indicator	Yes
• voltage trigger	No
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes

Product function

product function	
• grounding protection	No
• phase failure detection	Yes

Display and operation

display version	without display
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Short circuit

breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value	55 kA
• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value	55 kA
• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value	42 kA

Connections

arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal
type of electrical connection / for main current circuit	busbar connection

Mechanical Design

height	439.5 mm
width	320 mm
depth	337 mm
fastening method	fixed mounting

Environmental conditions





ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C




Certificates

reference code	
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- acc. to DIN EN 61346-2
- acc. to IEC 81346-2

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

Shipping Approval			other		
 LRS	 PRS	 RMRS	CCS / China Classification Society	Environmental Con- firmations	Manufacturer De- claration

other	
Confirmation	Miscellaneous

Further information

Industry Mall (Online ordering system)

mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-2CB32-1AA2

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

support.industry.siemens.com/cs/ww/en/ps/3WL1108-2CB32-1AA2

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

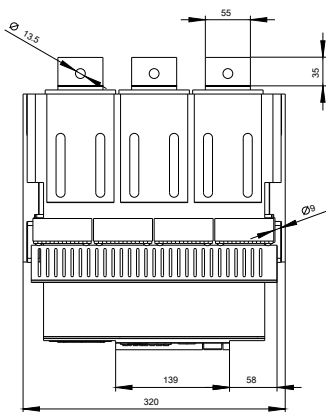
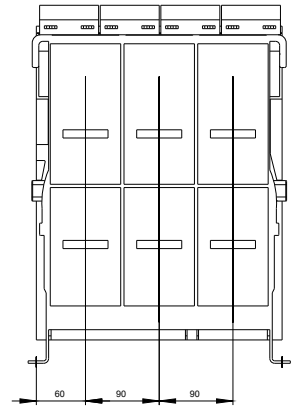
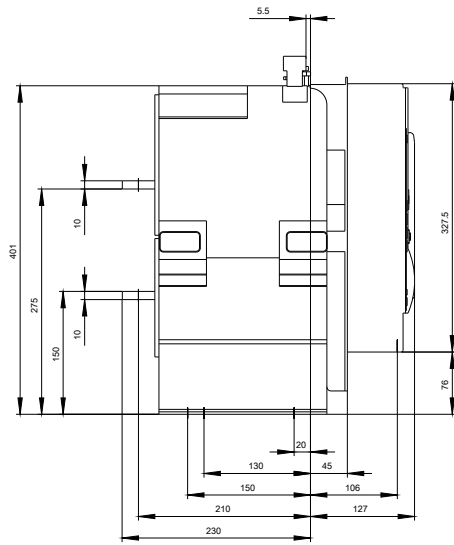
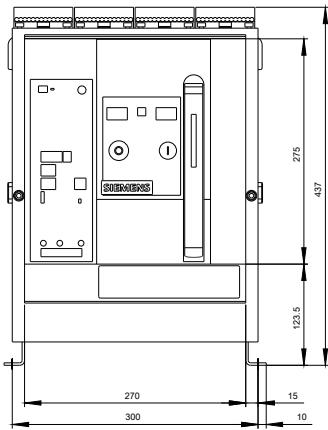
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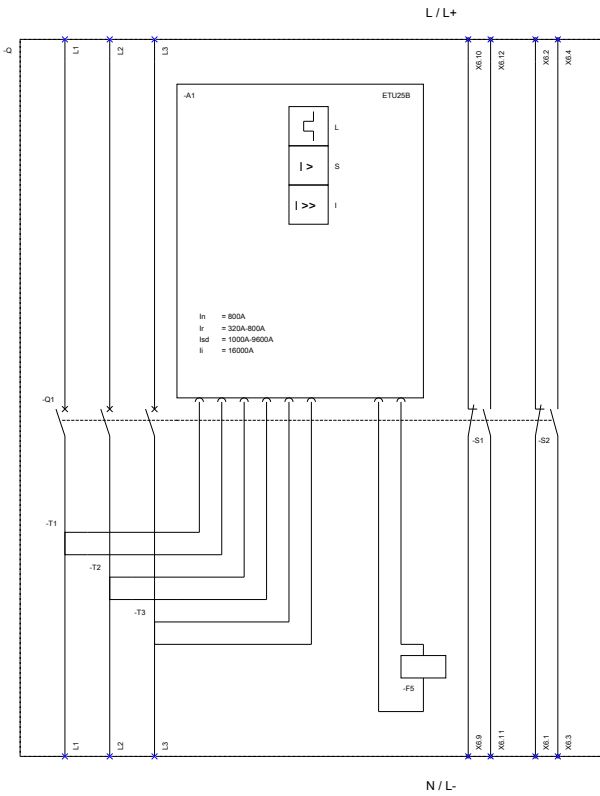
CAX-Online-Generator

siemens.com/cax

Tender specifications

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 / Hilfsschalter);

last modified:

12/10/2020