SIEMENS

Data sheet

3WL1225-2CB34-1AJ2-Z S33

fixed-mounted circuit breaker 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=66kA at 500V frnt.conn. top/bot. dual-hole Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 24 V DC 2NO+2NC S33= Castell/Fortress Tension lever

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	2	
utilization category	В	
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]		
• for rated value of the current / at AC / in hot operating state / per pole	90 W	
• maximum	270 W	
Main circuit		
operating frequency		
• 1 / rated value	50 Hz	
• 2 / rated value	60 Hz	
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	1 000 A	
Product details		
product component		
• trip indicator	Yes	
 voltage trigger 	No	
undervoltage release	Yes	
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
Short circuit	
operating short-circuit current breaking capacity (Ics)	
 at 415 V / rated value 	66 kA
at 500 V / rated value	66 kA
at 690 V / rated value	50 kA
maximum short-circuit current breaking capacity (Icu)	
 at 415 V / rated value 	66 kA
at 500 V / rated value	66 kA
at 690 V / rated value	50 kA
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	512 mm
width	460 mm
depth	379 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
Further information	

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2CB34-1AJ2-Z S33
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2CB34-1AJ2-Z S33

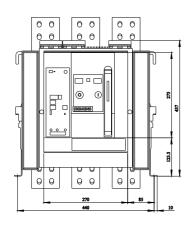
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB34-1AJ2-Z S33

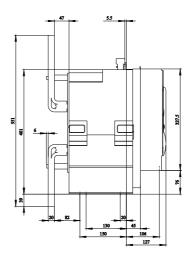
CAx-Online-Generator

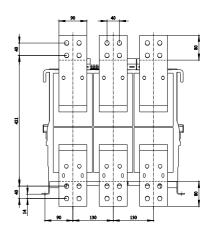
http://www.siemens.com/cax

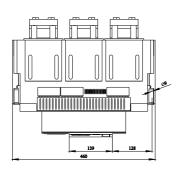
Tender specifications

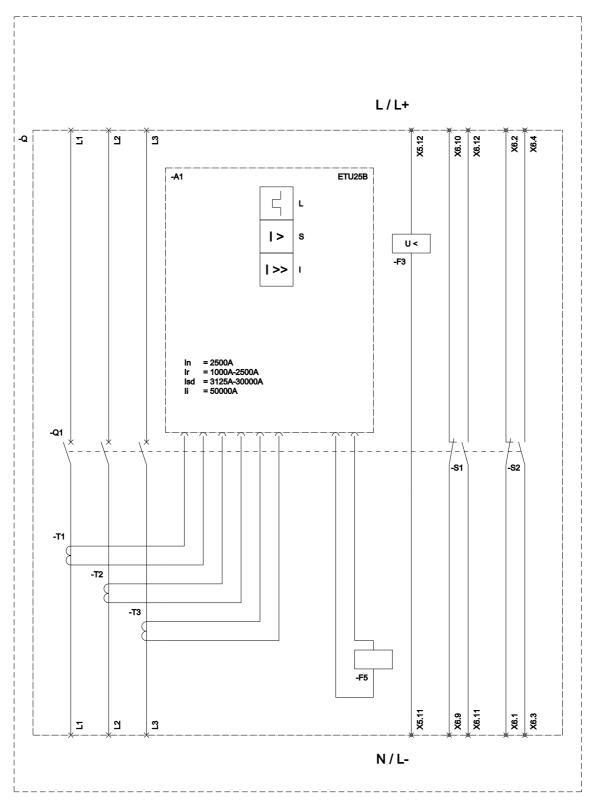
http://www.siemens.com/specifications











L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); F3 (Undervoltage release / Unterspannungsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

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