## **SIEMENS**

## **Data sheet**

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal

product fraind name SENTRON product designation ACB ACB ACB ACB design of the product lies of the product design of the product selement Pushbutton Manual operating mechanism with mechanical closing bype of the driving mechanism / motor drive No design of the overcurrent release ETU27B ET	Model	
design of the product design of the actualing element Pushbutton Pype of the driving mechanism Annual operating mechanism with mechanical closing Pype of the driving mechanism / motor drive design of the overcurrent release ETUZPB  General technical data number of poles size of the circuit-breaker 2 cutilization category B circuit-breaker / Design Voltage Rated insulation voltage Ui Insulation voltage / rated value • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  Protection class IP  protection class IP on the front protection function of the overcurrent release Dissipation  power loss [W] • for rated value of the current / at AC / in hot operating volue vo	product brand name	SENTRON
design of the product design of the actualing element Pushbutton Pype of the driving mechanism Annual operating mechanism with mechanical closing Pype of the driving mechanism / motor drive design of the overcurrent release ETUZPB  General technical data number of poles size of the circuit-breaker 2 cutilization category B circuit-breaker / Design Voltage Rated insulation voltage Ui Insulation voltage / rated value • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  Protection class IP  protection class IP on the front protection function of the overcurrent release Dissipation  power loss [W] • for rated value of the current / at AC / in hot operating volue vo	product designation	ACB
type of the driving mechanism / motor drive design of the overcurrent release ETU27B  General technical data   ETU27B  General technical data   ETU27B  Tumber of poles   3   3   3   3   3   3   3   3   3		IEC 60947-2
Type of the driving mechanism / motor drive   No   design of the overcurrent release   ETU27B	design of the actuating element	Pushbutton
design of the overcurrent release  General technical data number of poles size of the circuit-breaker 2 utilization category B circuit-breaker / Design 3WL1  Voltage  Rated insulation voltage UI insulation voltage / rated value operating voltage • at AC / at 50/60 Hz / rated value  690 V  Protection class IP protection class IP protection class IP   IP20 protection clas	type of the driving mechanism	Manual operating mechanism with mechanical closing
design of the overcurrent release  General technical data number of poles size of the circuit-breaker 2 utilization category B circuit-breaker / Design 3WL1  Voltage  Rated insulation voltage UI insulation voltage / rated value operating voltage • at AC / at 50/60 Hz / rated value  690 V  Protection class IP protection class IP protection class IP   IP20 protection clas		
number of poles size of the circuit-breaker 2 utilization category circuit-breaker / Design 3WL1  Voltage Rated insulation voltage Ui insulation voltage / rated value operating voltage • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  • at AC / at 50/60 Hz / rated value  • protection class IP protection class IP protection function of the overcurrent release  LSING  Dissipation  power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum  continuous current / rated value / maximum  continuous current / rated value / rated value  • of instantaneous short-circuit trip unit / full-scale value  • of instantaneous short-circuit trip unit / full-scale value  • at 0 or C / rated value  • 2 / rated value  • at 65 °C / rated value		ETU27B
size of the circuit-breaker  utilization category  circuit-breaker / Design  Voltage  Rated insulation voltage Ui insulation voltage / rated value  operating voltage  • at AC / at 50/60 Hz / rated value  forotection class IP  protection class IP  protection class IP   IP20  protection class IP   IP20  protection function of the overcurrent release  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  Current  continuous current / rated value / maximum  continuous current / rated value / maximum  2 500 A  continuous current response value current  • of instantaneous short-circuit trip unit / full-scale value  • at 0 of / rated value  • 2 / rated value  • at 40 ° C / rated value  • at 40 ° C / rated value  • at 65 ° C / rated value  • at 65 ° C / rated value  • at 65 ° C / rated value  • at 66 ° C / rated value  • at 66 ° C / rated value  • at 60 ° C / rated value  • at 65 ° C / rated value	General technical data	
size of the circuit-breaker  utilization category  circuit-breaker / Design  Voltage  Rated insulation voltage Ui insulation voltage / rated value  operating voltage  • at AC / at 50/60 Hz / rated value  forotection class IP  protection class IP  protection class IP   IP20  protection class IP   IP20  protection function of the overcurrent release  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  Current  continuous current / rated value / maximum  continuous current / rated value / maximum  2 500 A  continuous current response value current  • of instantaneous short-circuit trip unit / full-scale value  • at 0 of / rated value  • 2 / rated value  • at 40 ° C / rated value  • at 40 ° C / rated value  • at 65 ° C / rated value  • at 65 ° C / rated value  • at 65 ° C / rated value  • at 66 ° C / rated value  • at 66 ° C / rated value  • at 60 ° C / rated value  • at 65 ° C / rated value	number of poles	3
circuit-breaker / Design 3WL1  Voltage  Rated insulation voltage Ui 1000 V insulation voltage / rated value 1000 V operating voltage - at AC / at 50/60 Hz / rated value 690 V  Protection class  protection class IP IP20 protection class IP IP20 protection function of the overcurrent release LSING  Dissipation  power loss [W]	· · · · · · · · · · · · · · · · · · ·	
circuit-breaker / Design  Voltage  Rated insulation voltage Ui  insulation voltage / rated value  operating voltage  • at AC / at 50/60 Hz / rated value  690 V  Protection class  protection class IP  protection class IP / or the front  iP20  protection function of the overcurrent release  bissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  continuous current / rated value  of instantaneous short-circuit trip unit / initial value  of instantaneous short-circuit trip unit / full-scale  value  Main circuit  operating frequency  • 1 / rated value  operational current  • at 40 °C / rated value  at 55 °C / rated value  at 65 °C / rated value  • at 65 °C / rated value  • at 60 °	utilization category	В
Voltage   Rated insulation voltage U		3WL1
Rated insulation voltage Ui insulation voltage / rated value operating voltage • at AC / at 50/60 Hz / rated value 690 V  Protection class IP protection class IP   IP20 protection function of the overcurrent release  Dissipation power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 520 W  Current  continuous current / rated value / adjustable current response value current • of instantaneous short-circuit trip unit / full-scale • of instantaneous short-circuit trip unit / full-scale • 1 / rated value • 2 / rated value • 2 / rated value • 2 / rated value • 3 / 40 ° C / rated value • at 50 ° C / rated value • at 60 ° C / rated value • at 60 ° C / rated value • at 60 ° C / rated value • at 70 ° C / rated value		
insulation voltage / rated value		1 000 V
operating voltage  • at AC / at 50/60 Hz / rated value  Protection class  protection class IP  protection class IP   IP20  protection function of the overcurrent release  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  Current  continuous current / rated value / maximum  continuous current / rated value / maximum  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  value  of instantaneous short-circuit trip unit / full-scale value  • 2 / rated value  • 3 / C / rated value  • at 40 ° C / rated value  • at 55 ° C / rated value  • at 55 ° C / rated value  • at 50 ° C / rated value  • at 60 ° C / rated value  • at 70 ° C / rated value		
• at AC / at 50/60 Hz / rated value 690 V  Protection class IP   IP20   protection class IP / on the front IP20   protection function of the overcurrent release LSING  Dissipation  power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 520 W  Current  continuous current / rated value / maximum 2 500 A  continuous current / rated value = 2 500 A  adjustable current response value current • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • 2 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 5 / rated value • 2 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 6 / rated value • 2 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 6 / rated value • 7 / rated value • 8 / rated value • 9 / rated value • 1 / rated value • 2 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 5 / rated value • 7 / rated value • 8 / rated value • 9 / rated value • 1 / rated value • 2 / rated value • 2 / rated value • 3 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 5 / rated value • 7 / rated value • 7 / rated value • 8 / rated value • 9 / rated value • 1 / rated value • 1 / rated value • 2 / rated value • 2 / rated value • 3 / rated value • 3 / rated value • 3 / rated value • 4 / rated value • 5 / rated value • 7 / rated value • 8 / rated value • 8 / rated value • 9 / rated value • 1 / rated value • 2 / rated value • 2 / rated value • 3 / rated value • 3 / rated value • 3 / rated value • 4 / rated value • 7 / rated value		
protection class IP protection function of the overcurrent release		690 V
protection class IP / on the front IP20 protection function of the overcurrent release LSING  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • maximum 520 W  Current  continuous current / rated value / maximum 2500 A continuous current / rated value adjustable current response value current • of instantaneous short-circuit trip unit / full-scale value • of instantaneous short-circuit trip unit / full-scale value  value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • 2 / rated value • 30 Hz • 41 60 °C / rated value • at 50 °C / rated value • at 65 °C / rated value • at 65 °C / rated value • at 70 °C / rated value • 2 / 200 A  Auxiliary circuit number of NC contacts / for auxiliary contacts  P2 / SING  LSING  173.3 W		
protection class IP / on the front protection function of the overcurrent release  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • maximum  520 W  Current  continuous current / rated value / maximum continuous current / rated value  • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • at 40 °C / rated value • at 50 °C / rated value • at 60 °C / rated value		IP20
protection function of the overcurrent release  Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  Current  continuous current / rated value / maximum  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • 2 / rated value  • at 40 °C / rated value  • at 50 °C / rated value  • at 65 °C / rated value  • at 65 °C / rated value  • at 70 °C / rated value	-	
Dissipation  power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • maximum  continuous current / rated value / maximum  continuous current / rated value / maximum  continuous current rated value / 2 500 A  continuous current response value current  • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 30 00 A  operational current • at 40 °C / rated value • at 50 °C / rated value • at 50 °C / rated value • at 60 °C / rated value		
power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • maximum  520 W  Current  continuous current / rated value / maximum  continuous current / rated value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • 2 / rated value  operational current  • at 40 °C / rated value  • at 55 °C / rated value  • at 65 °C / rated value  • at 65 °C / rated value  • at 70 °C / rated value	·	
for rated value of the current / at AC / in hot operating state / per pole     maximum		
maximum 520 W  Current  continuous current / rated value / maximum 2 500 A  continuous current / rated value 2 500 A  adjustable current response value current		173.3 W
Continuous current / rated value / maximum  continuous current / rated value  adjustable current response value current  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency operating frequency operational current operational c		
continuous current / rated value / maximum  continuous current / rated value  adjustable current response value current  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency operating frequency operational current operational c	• maximum	520 W
continuous current / rated value  adjustable current response value current  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency operating frequency operational current operational curre	Current	
adjustable current response value current  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency of 1 / rated value operational current operational current of 40 °C / rated value of 50 ODO A  50 ODO	continuous current / rated value / maximum	2 500 A
of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency of 1 / rated value of 2 / rated value operational current operational current of 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3	continuous current / rated value	2 500 A
of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency	adjustable current response value current	
Wain circuit   operating frequency <ul> <li>1 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> </ul> operational current <ul> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>2 500 A</li> <li>at 65 °C / rated value</li> <li>2 500 A</li> </ul> at 70 °C / rated value 2 500 A   at 70 °C / rated value 2 280 A   Auxiliary circuit number of NC contacts / for auxiliary contacts 2	<ul> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	50 000 A
Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  60 Hz  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 55 °C / rated value  • at 60 °C / rated value  • at 60 °C / rated value  • at 65 °C / rated value  • at 67 °C / rated value  • at 67 °C / rated value  • at 68 °C / rated value  • at 68 °C / rated value  • at 68 °C / rated value  • at 70 °C / rated value  2 280 A		50 000 A
operating frequency  • 1 / rated value  • 2 / rated value  60 Hz  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 55 °C / rated value  • at 60 °C / rated value  • at 65 °C / rated value  • at 65 °C / rated value  • at 70 °C / rated value		
<ul> <li>1 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>2 500 A</li> <li>at 65 °C / rated value</li> <li>2 500 A</li> <li>at 70 °C / rated value</li> <li>2 2 80 A</li> </ul> Auxiliary circuit number of NC contacts / for auxiliary contacts 2	Main circuit	
operational current         eat 40 °C / rated value         eat 55 °C / rated value         eat 60 °C / rated value         eat 65 °C / rated value         eat 70 °C / rated value  Auxiliary circuit  number of NC contacts / for auxiliary contacts  2		
operational current  • at 40 °C / rated value 2 500 A  • at 50 °C / rated value 2 500 A  • at 55 °C / rated value 2 500 A  • at 60 °C / rated value 2 500 A  • at 65 °C / rated value 2 500 A  • at 70 °C / rated value 2 280 A  Auxiliary circuit  number of NC contacts / for auxiliary contacts 2	• 1 / rated value	
<ul> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>2500 A</li> <li>at 70 °C / rated value</li> <li>2280 A</li> </ul> Auxiliary circuit number of NC contacts / for auxiliary contacts <ul> <li>2500 A</li> <li>2500 A</li> <li>2500 A</li> <li>2500 A</li> </ul>	2 / rated value	60 Hz
<ul> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>2 500 A</li> <li>at 70 °C / rated value</li> <li>2 280 A</li> </ul> Auxiliary circuit <ul> <li>number of NC contacts / for auxiliary contacts</li> <li>2</li> </ul>	·	
<ul> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>2 500 A</li> <li>at 70 °C / rated value</li> <li>2 280 A</li> </ul> Auxiliary circuit number of NC contacts / for auxiliary contacts 2		
<ul> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>2 500 A</li> <li>at 70 °C / rated value</li> <li>2 280 A</li> </ul> Auxiliary circuit number of NC contacts / for auxiliary contacts <ul> <li>2</li> </ul>		
<ul> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>2 280 A</li> <li>Auxiliary circuit</li> <li>number of NC contacts / for auxiliary contacts</li> <li>2</li> </ul>		
at 70 °C / rated value  Auxiliary circuit  number of NC contacts / for auxiliary contacts  2 280 A  2 280 A		
Auxiliary circuit  number of NC contacts / for auxiliary contacts 2		
number of NC contacts / for auxiliary contacts 2		2 280 A
	Auxiliary circuit	
number of NO contacts / for auxiliary contacts 2		
	number of NO contacts / for auxiliary contacts	2

Suitability	
suitability for use	Plant / motor protection
Product details	
product component	
<ul><li>trip indicator</li></ul>	Yes
<ul> <li>voltage trigger</li> </ul>	No
undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
<ul> <li>grounding protection</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (lcs)	
<ul><li>at 415 V / rated value</li></ul>	80 kA
<ul><li>at 500 V / rated value</li></ul>	80 kA
at 690 V / rated value	75 kA
breaking capacity maximum short-circuit current (Icu)	
<ul><li>at 415 V / rated value</li></ul>	80 kA
<ul><li>at 500 V / rated value</li></ul>	80 kA
at 690 V / rated value	75 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	465.5 mm
width	460 mm
depth	456 mm
fastening method	drawer unit
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	
• acc. to DIN EN 61346-2	Q
• acc. to IEC 81346-2	Q
Further information	

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-3DG36-1AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-3DG36-1AA2

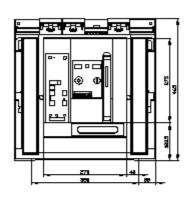
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

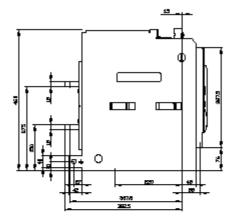
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3WL1225-3DG36-1AA2

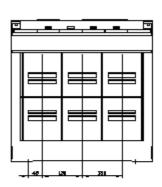
**Tender specifications** 

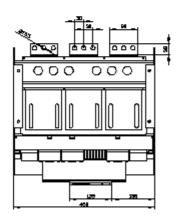
http://www.siemens.com/specifications

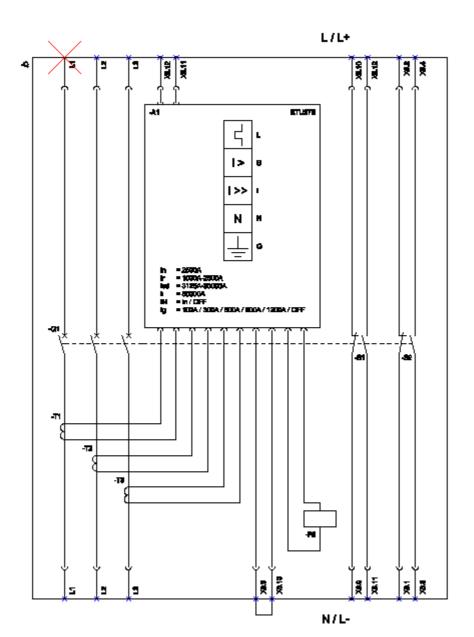












- L (Long Pine Delay / Oberlastachutz): 2 (Abert Time Delay / Entrachlussachutz, intricitversigert): I (Destastastastas / Gartachlussachutz, unversögert): Y (Destasl Probabilist / Ventrallatherachutz): C (Grund Fuelt Protection / Entschlussachutz): TS (Maglatch for trip unit / Analbussayust): SL St (Maglatch / Bilisachalter):

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