

withdrawable circuit breaker with guide frame 3-pole, size II, IEC  
 $I_n=2500A$  to 690V, AC50/60Hz  $I_{cu}=66kA$  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



| 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  | ETU27B   |
| <b>General technical data</b>  |          |
| number of poles  | 3        |
| size of the circuit-breaker  | 2        |
| utilization category   | B        |
| circuit-breaker / Design   | 3WL1     |
| <b>Voltage</b>   |          |
| Rated insulation voltage $U_i$   | 1 000 V  |
| insulation voltage / rated value   | 1 000 V  |
| operating voltage  |          |
| • at AC / at 50/60 Hz / rated value  | 690 V    |
| <b>Protection class</b>  |          |
| protection class IP  | IP20     |
| protection class IP / on the front   | IP20     |
| protection function of the overcurrent release                               | LSING    |
| <b>Dissipation</b>   |          |
| power loss [W]   |          |
| • for rated value of the current / at AC / in hot operating state / per pole | 173.3 W  |
| • maximum  | 520 W    |
| <b>Current</b>   |          |
| continuous current / rated value / maximum                                   | 2 500 A  |
| continuous current / rated value   | 2 500 A  |
| adjustable current response value current                                    |          |
| • of the current-dependent overload release / full-scale value               | 2 500 A  |
| • of instantaneous short-circuit trip unit / initial value                   | 50 000 A |
| • of instantaneous short-circuit trip unit / full-scale value                | 50 000 A |
| <b>Main circuit</b>  |          |
| operating frequency  |          |
| • 1 / rated value  | 50 Hz    |
| • 2 / rated value  | 60 Hz    |
| 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                                    |
| 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  |                                      |
| <ul style="list-style-type: none"> <li>• trip indicator</li> <li>• voltage trigger</li> <li>• undervoltage release</li> </ul>  | Yes<br>No<br>No                      |
| design of the auxiliary switch   | 2 NO + 2 NC                          |
| product extension / optional / motor drive   | Yes                                  |
| Product function   |                                      |
| product function   |                                      |
| <ul style="list-style-type: none"> <li>• grounding protection</li> <li>• phase failure detection</li> </ul>  | Yes<br>Yes                           |
| Display and operation  |                                      |
| display version  | without display                      |
| Short circuit  |                                      |
| breaking capacity operating short-circuit current (Ics)  |                                      |
| <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>   | 66 kA<br>66 kA<br>50 kA              |
| <ul style="list-style-type: none"> <li>• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value</li> <li>• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value</li> <li>• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value</li> </ul> | 66 kA<br>66 kA<br>50 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   |                            |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> | <p>-20 °C</p> <p>70 °C</p> |
| ambient temperature / during storage   |                            |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> | <p>-40 °C</p> <p>70 °C</p> |

### Certificates

|   |                   |
|---|-------------------|
| reference code  |                   |
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to IEC 81346-2</li> </ul> | <p>Q</p> <p>Q</p> |

| General Product Approval | Declaration of Conformity | Test Certificates | Shipping Approval |
|--------------------------|---------------------------|-------------------|-------------------|
|--------------------------|---------------------------|-------------------|-------------------|



[Special Test Certificate](#)

[Miscellaneous](#)



| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



[CCS / China Classification Society](#)

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

### other

[Miscellaneous](#)

### Further information

**Industry Mall (Online ordering system)**

[mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2DG36-1AA2](http://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2DG36-1AA2)

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

[support.industry.siemens.com/cs/ww/en/ps/3WL1225-2DG36-1AA2](http://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2DG36-1AA2)

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

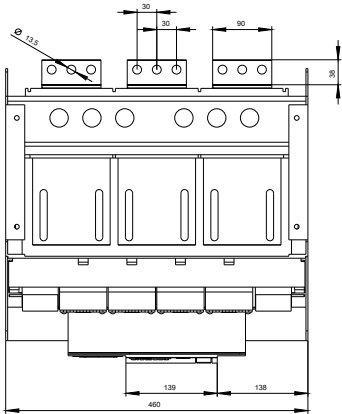
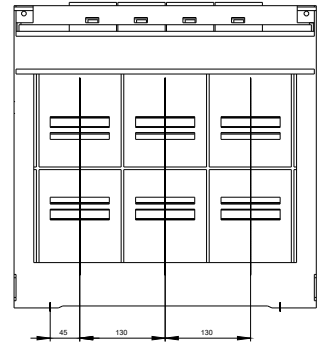
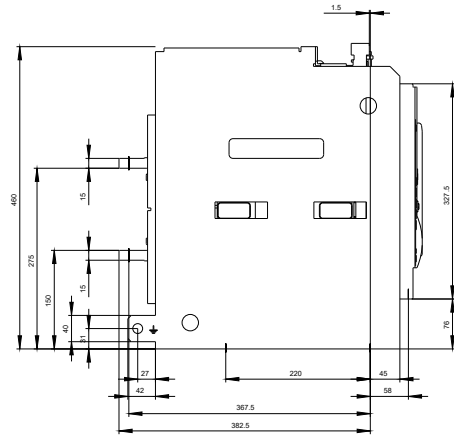
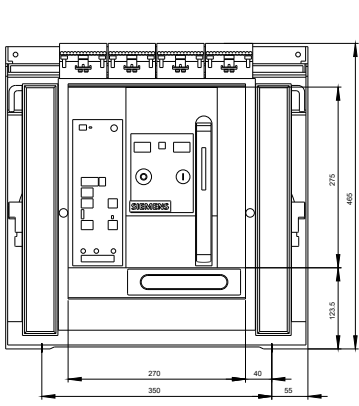
[automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1225-2DG36-1AA2](http://automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2DG36-1AA2)

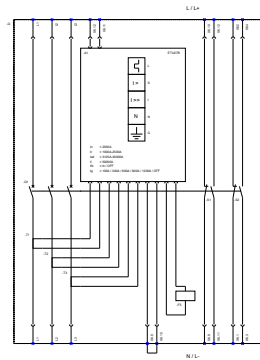
**CAX-Online-Generator**

[siemens.com/cax](http://siemens.com/cax)

**Tender specifications**

[siemens.com/specifications](http://siemens.com/specifications)





1. 3WL1225-2DG36-1AA2, 2. 3WL1225-2DG36-1AA2, 3. 3WL1225-2DG36-1AA2, 4. 3WL1225-2DG36-1AA2, 5. 3WL1225-2DG36-1AA2, 6. 3WL1225-2DG36-1AA2, 7. 3WL1225-2DG36-1AA2, 8. 3WL1225-2DG36-1AA2, 9. 3WL1225-2DG36-1AA2, 10. 3WL1225-2DG36-1AA2

last modified:

12/10/2020