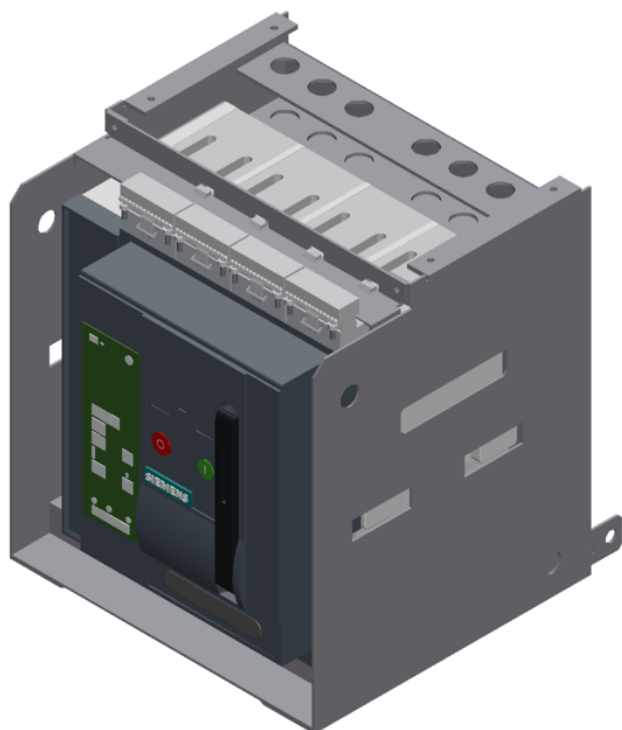


Draw-out circuit breaker Without guide frame 4-pole,  
Size 1, IEC In=800 A up to 690 V, 50/60 Hz AC Icu=66  
kA at 500 V Rear horizontal connection



| Model                                       |  |                                                                             |
|---------------------------------------------|--|-----------------------------------------------------------------------------|
| Product brand name                          |  | SENTRON                                                                     |
| Product designation                         |  | ACB                                                                         |
| Design of the auxiliary switch              |  | 4 NO + 4 NC                                                                 |
| Design of the operating mechanism           |  | Pushbutton                                                                  |
| Type of the driving mechanism               |  | Manual/motorized operating mechanism with mechanical and electrical closing |
| Type of the driving mechanism / motor drive |  | Yes                                                                         |
| Design of the overcurrent release           |  | ETU27B                                                                      |

| General technical data                               |  |         |
|------------------------------------------------------|--|---------|
| Number of poles                                      |  | 4       |
| Size of the circuit-breaker                          |  | 1       |
| Electrical endurance (switching cycles) / typical    |  | 20 000  |
| Usage category                                       |  | B       |
| circuit-breaker / Design                             |  | 3WL1108 |
| Mechanical service life (switching cycles) / typical |  | 20 000  |

| Voltage                     |   |       |
|-----------------------------|---|-------|
| Rated insulation voltage Ui | V | 1 000 |

| Protection class                               |  |       |
|------------------------------------------------|--|-------|
| Protection class IP                            |  | IP20  |
| Protective function of the overcurrent release |  | LSING |

| Dissipation                                                                                                                  |   |     |
|------------------------------------------------------------------------------------------------------------------------------|---|-----|
| Power loss [W]                                                                                                               |   |     |
| <ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul> | W | 65  |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                                                                    | W | 195 |

| Electricity                                                                                                    |    |        |
|----------------------------------------------------------------------------------------------------------------|----|--------|
| Operating current / at 45 °C / rated value                                                                     | A  | 800    |
| Continuous current / rated value                                                                               | A  | 800    |
| Adjustable pick-up value current                                                                               |    |        |
| <ul style="list-style-type: none"> <li>of the current-dependent overload release / Full-scale value</li> </ul> | A  | 800    |
| <ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>     | A  | 16 000 |
| <ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / Full-scale value</li> </ul>  | A  | 16 000 |
| Short-time current resistance (Icw)                                                                            |    |        |
| <ul style="list-style-type: none"> <li>limited to 0.5 s / rated value</li> </ul>                               | kA | 66     |
| <ul style="list-style-type: none"> <li>limited to 2 s / rated value</li> </ul>                                 | kA | 35     |
| <ul style="list-style-type: none"> <li>limited to 3 s / rated value</li> </ul>                                 | kA | 29     |

| Main circuit |
|--------------|
|--------------|

|                                     |    |     |
|-------------------------------------|----|-----|
| <b>Operating frequency</b>          |    |     |
| • 1 / rated value                   | Hz | 50  |
| • 2 / rated value                   | Hz | 60  |
| <b>Operating voltage</b>            |    |     |
| • at AC / at 50/60 Hz / rated value | V  | 690 |
| <b>Operating current</b>            |    |     |
| • at 40 °C / rated value            | A  | 800 |
| • at 50 °C / rated value            | A  | 800 |
| • at 55 °C / rated value            | A  | 800 |
| • at 60 °C / rated value            | A  | 800 |
| • at 65 °C / rated value            | A  | 800 |
| • at 70 °C / rated value            | A  | 800 |

|                                                |  |   |
|------------------------------------------------|--|---|
| <b>Auxiliary circuit</b>                       |  |   |
| Number of NC contacts / for auxiliary contacts |  | 4 |
| Number of NO contacts / for auxiliary contacts |  | 4 |

|                     |  |                          |
|---------------------|--|--------------------------|
| <b>Suitability</b>  |  |                          |
| Suitability for use |  | Plant / motor protection |

|                                                                                              |   |       |
|----------------------------------------------------------------------------------------------|---|-------|
| <b>Adjustable parameters</b>                                                                 |   |       |
| <b>Adjustable pick-up value current</b>                                                      |   |       |
| • of the short-time delayed short-circuit release / initial value                            | A | 1 000 |
| • of the short-time delayed short-circuit release / Full-scale value                         | A | 9 600 |
| Adjustable pick-up value current / of the current-dependent overload release / initial value | A | 320   |

|                                            |  |     |
|--------------------------------------------|--|-----|
| <b>Product details</b>                     |  |     |
| <b>Product component</b>                   |  |     |
| • Trip indicator                           |  | Yes |
| • Voltage trigger                          |  | Yes |
| • undervoltage release                     |  | No  |
| Product extension / optional / motor drive |  | No  |

|                           |  |     |
|---------------------------|--|-----|
| <b>Product function</b>   |  |     |
| <b>Product function</b>   |  |     |
| • Ground fault protection |  | Yes |
| • Phase failure detection |  | Yes |

|                              |  |                 |
|------------------------------|--|-----------------|
| <b>Display and operation</b> |  |                 |
| Display version              |  | without display |

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| <b>Short circuit</b>                                      |  |  |
| Operational short-circuit current breaking capacity (Ics) |  |  |

|                                                                           |    |    |
|---------------------------------------------------------------------------|----|----|
| • at 415 V / rated value                                                  | kA | 66 |
| • at 500 V / rated value                                                  | kA | 66 |
| • at 690 V / rated value                                                  | kA | 50 |
| <b>Maximum short-circuit current breaking capacity (Icu)</b>              |    |    |
| • at 415 V / rated value                                                  | kA | 66 |
| • at 500 V / rated value                                                  | kA | 66 |
| • at 690 V / rated value                                                  | kA | 50 |
| <b>Short-time current resistance (Icw) / limited to 1 s / rated value</b> | kA | 50 |

#### Connections

|                                                                 |  |                     |
|-----------------------------------------------------------------|--|---------------------|
| Arrangement of electrical connectors / for main current circuit |  | without guide frame |
| Type of electrical connection / for main current circuit        |  | Blade contacts      |

#### Mechanical Design

|                      |    |             |
|----------------------|----|-------------|
| <b>Height</b>        | mm | 411.5       |
| <b>Width</b>         | mm | 401         |
| <b>Depth</b>         | mm | 337         |
| <b>Mounting type</b> |    | drawer unit |

#### Environmental conditions

|                              |    |     |
|------------------------------|----|-----|
| <b>Ambient temperature</b>   |    |     |
| • during operation / minimum | °C | -20 |
| • during operation / maximum | °C | 70  |
| • during storage / minimum   | °C | -40 |
| • during storage / maximum   | °C | 70  |

#### Certificates

|                          |  |   |
|--------------------------|--|---|
| <b>Equipment marking</b> |  |   |
| • acc. to DIN EN 61346-2 |  | Q |
| • acc. to DIN EN 81346-2 |  | Q |

| General Product Approval                                                          |                                                                                   |                                                                                   | Declaration of Conformity                                                         | Test Certificates             |                                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------------------------|
|  |  |  |  | <a href="#">Miscellaneous</a> | <a href="#">Special Test Certificate</a> |
| CB                                                                                | CCC                                                                               | VDE                                                                               | EG-Konf.                                                                          |                               |                                          |

| Shipping Approval                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| ABS                                                                               | BUREAU VERITAS                                                                    | DNV                                                                               | GL                                                                                | LRS                                                                                 | PRS                                                                                 |

| Shipping Approval                                                                 | other                                       |                               |  |  |  |
|-----------------------------------------------------------------------------------|---------------------------------------------|-------------------------------|--|--|--|
|  | <a href="#">Environmental Confirmations</a> | <a href="#">Miscellaneous</a> |  |  |  |
| RMRS                                                                              |                                             |                               |  |  |  |

#### Further information

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3DG45-5FA4-Z B08+C11+C22+F23+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3DG45-5FA4-Z B08+C11+C22+F23+K07>

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

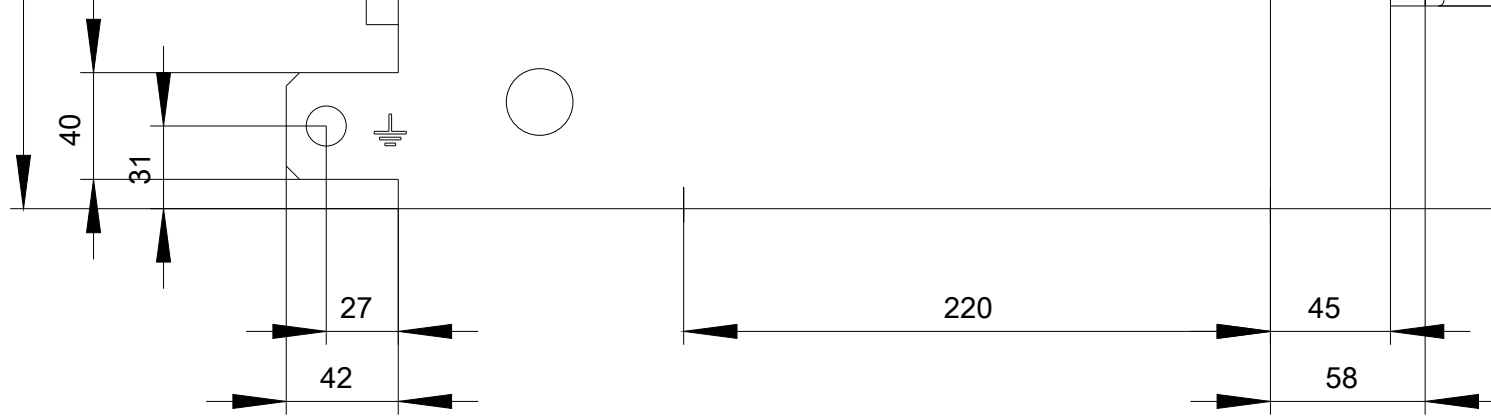
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1108-3DG45-5FA4-Z B08+C11+C22+F23+K07](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3DG45-5FA4-Z B08+C11+C22+F23+K07)

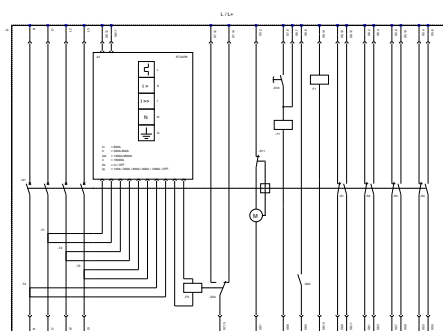
##### CAX-Online-Generator

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

##### Tender specifications

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





3WL1108-3DG45-5FA4-Z B08+C11+C22+F23+K07  
 02/12/2018  
 Subject to change without notice  
 © Copyright Siemens

last modified:

02/12/2018