

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=3200A TO 690V, AC50/60HZ ICU=66KA AT 500V FRNT.CONN. TOP/BOT. SINGLE-HOLE



| Model                                       |  |                                                    |
|---------------------------------------------|--|----------------------------------------------------|
| product brand name                          |  | SENTRON                                            |
| Product designation                         |  | ACB                                                |
| Design of the operating mechanism           |  | 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                       |
| Electrical endurance (switching cycles) / typical    |  | 15 000                  |
| Usage category                                       |  | B                       |
| circuit-breaker / Design                             |  | <a href="#">3WL1232</a> |
| Mechanical service life (switching cycles) / typical |  | 15 000                  |

| Voltage                          |   |       |
|----------------------------------|---|-------|
| Rated insulation voltage Ui      | V | 1 000 |
| Insulation voltage / Rated value | V | 1 000 |

|                                                                              |    |                          |
|------------------------------------------------------------------------------|----|--------------------------|
| Protection class                                                             |    |                          |
| Protection class IP                                                          |    | IP20                     |
| Protective function of the overcurrent release                               |    | LSI                      |
| Dissipation                                                                  |    |                          |
| <b>Active power loss</b>                                                     |    |                          |
| • for rated value of the current / at AC / in hot operating state / per pole | W  | 136.7                    |
| • maximum                                                                    | W  | 410                      |
| Electricity                                                                  |    |                          |
| Continuous current / Rated value                                             | A  | 3 200                    |
| <b>Adjustable response value current</b>                                     |    |                          |
| • of the current-dependent overload release / Full-scale value               | A  | 3 200                    |
| • of the instantaneous short-circuit release / initial value                 | A  | 50 000                   |
| • of the instantaneous short-circuit release / Full-scale value              | A  | 50 000                   |
| <b>Short-time current resistance (I<sub>cw</sub>)</b>                        |    |                          |
| • limited to 0.5 s / Rated value                                             | kA | 66                       |
| • limited to 1 s / Rated value                                               | kA | 55                       |
| • limited to 2 s / Rated value                                               | kA | 39                       |
| • limited to 3 s / Rated value                                               | kA | 32                       |
| 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  | 3 200                    |
| • at 50 °C / Rated value                                                     | A  | 3 200                    |
| • at 55 °C / Rated value                                                     | A  | 3 200                    |
| • at 60 °C / Rated value                                                     | A  | 3 020                    |
| • at 65 °C / Rated value                                                     | A  | 3 020                    |
| • at 70 °C / Rated value                                                     | A  | 2 870                    |
| 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 response value current / of the current-dependent overload release / initial value | A | 1 280 |
|-----------------------------------------------------------------------------------------------|---|-------|

### Product details

|                                            |  |     |
|--------------------------------------------|--|-----|
| Product component                          |  |     |
| • Trip indicator                           |  | Yes |
| • Voltage trigger                          |  | No  |
| • undervoltage release                     |  | No  |
| Product expansion / optional / motor drive |  | Yes |

### Product function

|                           |  |     |
|---------------------------|--|-----|
| Product function          |  |     |
| • Ground fault protection |  | No  |
| • Phase failure detection |  | Yes |

### Display and operation

|                 |  |                 |
|-----------------|--|-----------------|
| Display version |  | without display |
|-----------------|--|-----------------|

### Short circuit

|                                                           |    |     |
|-----------------------------------------------------------|----|-----|
| 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  |
| Maximum short-circuit current breaking capacity (Icu)     |    |     |
| • at 415 V / Rated value                                  | kA | 66  |
| • at 500 V / Rated value                                  | kA | 66  |
| • at 690 V / Rated value                                  | kA | 50  |
| Short-circuit current making capacity (Icm)               |    |     |
| • at 415 V / Rated value                                  | kA | 145 |
| • at 500 V / Rated value                                  | kA | 145 |
| • at 690 V / Rated value                                  | kA | 105 |

### Connections

|                                                                 |  |                                              |
|-----------------------------------------------------------------|--|----------------------------------------------|
| Arrangement of electrical connectors / for main current circuit |  | Main connection top front/bottom single hole |
| Type of electrical connection / for main current circuit        |  | busbar connection                            |

### Mechanical Design

|               |    |                |
|---------------|----|----------------|
| Height        | mm | 467            |
| Width         | mm | 460            |
| Depth         | mm | 379            |
| Mounting type |    | fixed mounting |

### Environmental conditions

|                     |  |  |
|---------------------|--|--|
| Ambient temperature |  |  |
|---------------------|--|--|

- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

|    |     |
|----|-----|
| °C | -20 |
| °C | 70  |
| °C | -40 |
| °C | 70  |

## Certificates

### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

Q

Q

### General Product Approval

### Declaration of Conformity

### Test Certificates



CCC



VDE



EG-Konf.

[spezielle  
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[n](#)

[sonstig](#)

## Shipping Approval



ABS

BUREAU  
VERITAS

GL



LRS



PRS



RMRS

## other

[Umweltbestätigung](#)

[sonstig](#)

## Further information

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL12322CB331AA2>

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

<http://support.automation.siemens.com/WW/view/en/3WL12322CB331AA2/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL12322CB331AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL12322CB331AA2)

### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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