

Fixed-mounted circuit breaker 3-pole, Size 1, IEC In=1250 A up to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in 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 auxiliary switch                                                                                   | 2 NO + 2 NC                                        |
| 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                                                                                      | 1                                                  |
| Usage category                                                                                                   | B                                                  |
| circuit-breaker / Design                                                                                         | 3WL1                                               |
| Voltage                                                                                                          |                                                    |
| Rated insulation voltage Ui                                                                                      | 1 000 V                                            |
| Protection class                                                                                                 |                                                    |
| Protection class IP                                                                                              | IP20                                               |
| Protection class IP / on the front                                                                               | IP20                                               |
| Protective function of the overcurrent release                                                                   | LSI                                                |
| Dissipation                                                                                                      |                                                    |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole                      | 35 W                                               |
| Electricity                                                                                                      |                                                    |
| Operating current / at 45 °C / rated value                                                                       | 1 250 A                                            |
| Continuous current / rated value                                                                                 | 1 250 A                                            |
| Adjustable pick-up value current                                                                                 |                                                    |
| <ul style="list-style-type: none"> <li>• of the current-dependent overload release / Full-scale value</li> </ul> | 1 250 A                                            |
| <ul style="list-style-type: none"> <li>• of instantaneous short-circuit trip unit / initial value</li> </ul>     | 25 000 A                                           |

|                                                                                              |                          |
|----------------------------------------------------------------------------------------------|--------------------------|
| • of instantaneous short-circuit trip unit / Full-scale value                                | 25 000 A                 |
| <b>Main circuit</b>                                                                          |                          |
| Operating frequency                                                                          |                          |
| • 1 / rated value                                                                            | 50 Hz                    |
| • 2 / rated value                                                                            | 60 Hz                    |
| Operating voltage                                                                            |                          |
| • at AC / at 50/60 Hz / rated value                                                          | 690 V                    |
| Operating current                                                                            |                          |
| • at 40 °C / rated value                                                                     | 1 250 A                  |
| • at 50 °C / rated value                                                                     | 1 250 A                  |
| • at 55 °C / rated value                                                                     | 1 250 A                  |
| • at 60 °C / rated value                                                                     | 1 250 A                  |
| • at 65 °C / rated value                                                                     | 1 250 A                  |
| • at 70 °C / rated value                                                                     | 1 210 A                  |
| <b>Auxiliary circuit</b>                                                                     |                          |
| Number of NC contacts / for auxiliary contacts                                               | 2                        |
| Number of NO contacts / for auxiliary contacts                                               | 2                        |
| <b>Suitability</b>                                                                           |                          |
| Suitability for use                                                                          | Plant / motor protection |
| <b>Adjustable parameters</b>                                                                 |                          |
| Adjustable pick-up value current / of the current-dependent overload release / initial value | 500 A                    |
| <b>Product details</b>                                                                       |                          |
| Product component                                                                            |                          |
| • Trip indicator                                                                             | Yes                      |
| • Voltage trigger                                                                            | No                       |
| • undervoltage release                                                                       | No                       |
| Product extension / optional / motor drive                                                   | Yes                      |
| <b>Product function</b>                                                                      |                          |
| Product function                                                                             |                          |
| • Ground fault protection                                                                    | No                       |
| • 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                                                                     | 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

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| Type of electrical connection / for main current circuit | busbar connection |
|----------------------------------------------------------|-------------------|

## Mechanical Design

|               |                |
|---------------|----------------|
| Height        | 439.5 mm       |
| Width         | 320 mm         |
| Depth         | 337 mm         |
| Mounting type | fixed mounting |

## Environmental conditions

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

## Certificates

|                          |   |
|--------------------------|---|
| Reference code           |   |
| • acc. to DIN EN 61346-2 | Q |
| • acc. to DIN EN 81346-2 | Q |

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

| Shipping Approval                                                                 |                                                                                   |                                                                                   |                                                                                   | other                                       |                                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------|
|  |  |  |  | <a href="#">Environmental Confirmations</a> | <a href="#">Manufacturer Declaration</a> |
| DNV                                                                               | GL                                                                                | PRS                                                                               | RMRS                                                                              |                                             |                                          |

| other                         |
|-------------------------------|
| <a href="#">Miscellaneous</a> |

#### Further information

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

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3CB62-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3CB62-1AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1112-3CB62-1AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3CB62-1AA2)

##### CAX-Online-Generator

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

##### Tender specifications

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

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