

withdrawable circuit breaker without guide frame 3-pole, size I, IEC  
 $I_n=630\text{A}$  to 690V, AC50/60Hz  $I_{cu}=66\text{kA}$  at 500V rear connection horizontal  
 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 4NO+4NC B06= Rated  
 current reference module 630 A for ETU25, 27, 45, 55, 75, 76 for setting  
 rated current in K07= Tripped signaling contact, 1 CO not possible with  
 option F02

| 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                                            | ETU25B                                             |
| General technical data                                                       |                                                    |
| number of poles                                                              | 3                                                  |
| size of the circuit-breaker                                                  | 1                                                  |
| utilization category                                                         | B                                                  |
| circuit-breaker / Design                                                     | 3WL1                                               |
| Voltage                                                                      |                                                    |
| 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                                              |
| Protection class                                                             |                                                    |
| protection class IP                                                          | IP20                                               |
| protection class IP / on the front                                           | IP20                                               |
| protection function of the overcurrent release                               | LSI                                                |
| Dissipation                                                                  |                                                    |
| power loss [W]                                                               |                                                    |
| • for rated value of the current / at AC / in hot operating state / per pole | 65 W                                               |
| • maximum                                                                    | 195 W                                              |
| Current                                                                      |                                                    |
| operational current                                                          |                                                    |
| • at 40 °C / rated value                                                     | 630 A                                              |
| • at 45 °C / rated value                                                     | 630 A                                              |
| • at 50 °C / rated value                                                     | 630 A                                              |
| • at 55 °C / rated value                                                     | 630 A                                              |
| • at 60 °C / rated value                                                     | 630 A                                              |
| • at 65 °C / rated value                                                     | 630 A                                              |
| • at 70 °C / rated value                                                     | 630 A                                              |
| continuous current / rated value / maximum                                   | 630 A                                              |
| continuous current / rated value                                             | 630 A                                              |
| adjustable current response value current                                    |                                                    |
| • of the current-dependent overload release / full-scale value               | 630 A                                              |
| • of instantaneous short-circuit trip unit / minimum                         | 12 600 A                                           |
| • of instantaneous short-circuit trip unit / maximum                         | 12 600 A                                           |
| Main circuit                                                                 |                                                    |
| operating frequency                                                          |                                                    |

|                                                                                                                                                                                                   |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <ul style="list-style-type: none"> <li>• 1 / rated value</li> <li>• 2 / rated value</li> </ul>                                                                                                    | 50 Hz<br>60 Hz           |
| <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>                                                                                                                                                                      |                          |
| adjustable current response value current                                                                                                                                                         |                          |
| <ul style="list-style-type: none"> <li>• of the short-time delayed short-circuit release / initial value</li> <li>• of the short-time delayed short-circuit release / full-scale value</li> </ul> | 788 A<br>7 560 A         |
| adjustable current response value current / of the current-dependent overload release / initial value                                                                                             | 252 A                    |
| <b>Product details</b>                                                                                                                                                                            |                          |
| 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                                                                                                                                                                    | 4 NO + 4 NC              |
| product extension / optional / motor drive                                                                                                                                                        | Yes                      |
| <b>Product function</b>                                                                                                                                                                           |                          |
| product function                                                                                                                                                                                  |                          |
| <ul style="list-style-type: none"> <li>• grounding protection</li> <li>• phase failure detection</li> </ul>                                                                                       | No<br>Yes                |
| <b>Display and operation</b>                                                                                                                                                                      |                          |
| display version                                                                                                                                                                                   | without display          |
| <b>Short circuit</b>                                                                                                                                                                              |                          |
| 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  |
| breaking capacity maximum short-circuit current (Icu)                                                                                                                                             |                          |
| <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  |
| <b>Connections</b>                                                                                                                                                                                |                          |
| arrangement of electrical connectors / for main current circuit                                                                                                                                   | without guide frame      |
| type of electrical connection / for main current circuit                                                                                                                                          | Blade contacts           |
| <b>Mechanical Design</b>                                                                                                                                                                          |                          |
| height                                                                                                                                                                                            | 411.5 mm                 |
| width                                                                                                                                                                                             | 311 mm                   |
| depth                                                                                                                                                                                             | 337 mm                   |
| fastening method                                                                                                                                                                                  | drawer unit              |
| <b>Environmental conditions</b>                                                                                                                                                                   |                          |
| ambient temperature / during operation                                                                                                                                                            |                          |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                    | -20 °C<br>70 °C          |
| ambient temperature / during storage                                                                                                                                                              |                          |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                    | -40 °C<br>70 °C          |

#### Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-3CB35-1AA4-Z B06+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3CB35-1AA4-Z B06+K07>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1106-3CB35-1AA4-Z B06+K07](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3CB35-1AA4-Z B06+K07)

**CAX-Online-Generator**





