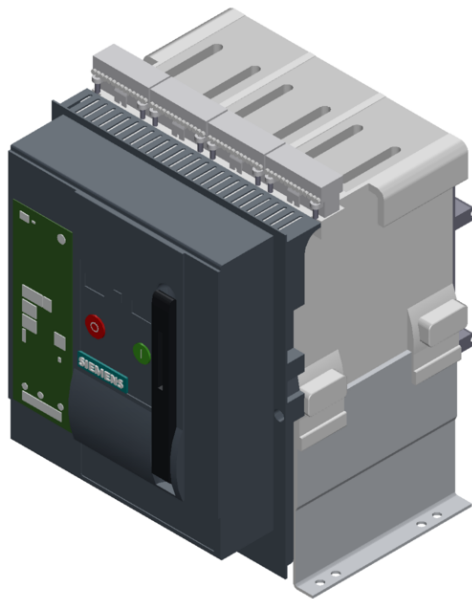


fixed-mounted circuit breaker 3-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC



| Model | |
|---|--|
| product brand name | SETRON |
| 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 | 35 W |
| • maximum | 105 W |

Current

| | |
|--|----------|
| continuous current / rated value / maximum | 1 250 A |
| continuous current / rated value | 1 250 A |
| adjustable current response value current | |
| • of the current-dependent overload release / full-scale value | 1 250 A |
| • of instantaneous short-circuit trip unit / initial value | 25 000 A |
| • of instantaneous short-circuit trip unit / full-scale value | 25 000 A |

Main circuit

| | |
|--------------------------|---------|
| operating frequency | |
| • 1 / rated value | 50 Hz |
| • 2 / rated value | 60 Hz |
| operational 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 |

| 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 | 500 A |
| Product details | |
| product component | |
| <ul style="list-style-type: none"> • trip indicator • voltage trigger • undervoltage release | Yes No 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"> • grounding protection • phase failure detection | No Yes |
| Display and operation | |
| display version | without display |
| Short circuit | |
| breaking capacity operating short-circuit current (Ics) | |
| <ul style="list-style-type: none"> • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value | 55 kA 55 kA 42 kA |
| <ul style="list-style-type: none"> • breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value • breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value | 55 kA 55 kA 42 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 | 439.5 mm |
| width | 320 mm |
| depth | 337 mm |

| | |
|------------------|----------------|
| fastening method | fixed mounting |
|------------------|----------------|

Environmental conditions

| | |
|--|----------------------------|
| ambient temperature / during operation | |
| <ul style="list-style-type: none"> • minimum • maximum | <p>-20 °C</p> <p>70 °C</p> |
| ambient temperature / during storage | |
| <ul style="list-style-type: none"> • minimum • maximum | <p>-40 °C</p> <p>70 °C</p> |

Certificates

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

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



Miscellaneous

[Special Test Certificate](#)



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



[CCS / China Classification Society](#)

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

| other |
|-------|
|-------|

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2CB32-1AA2

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

support.industry.siemens.com/cs/ww/en/ps/3WL1112-2CB32-1AA2

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

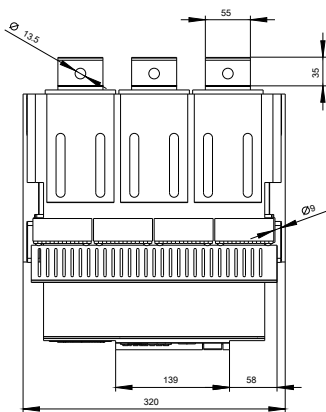
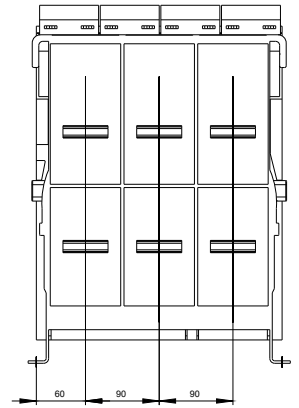
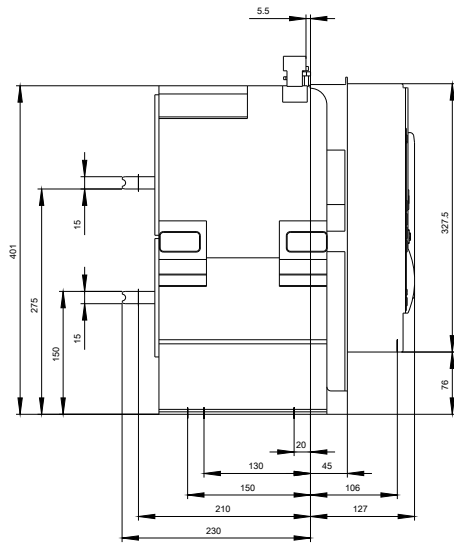
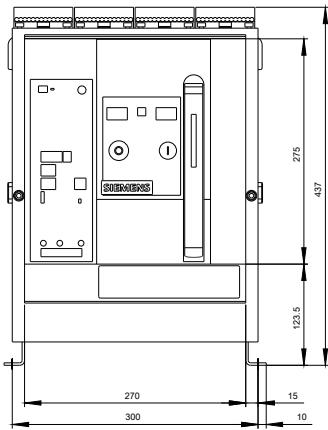
automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2CB32-1AA2

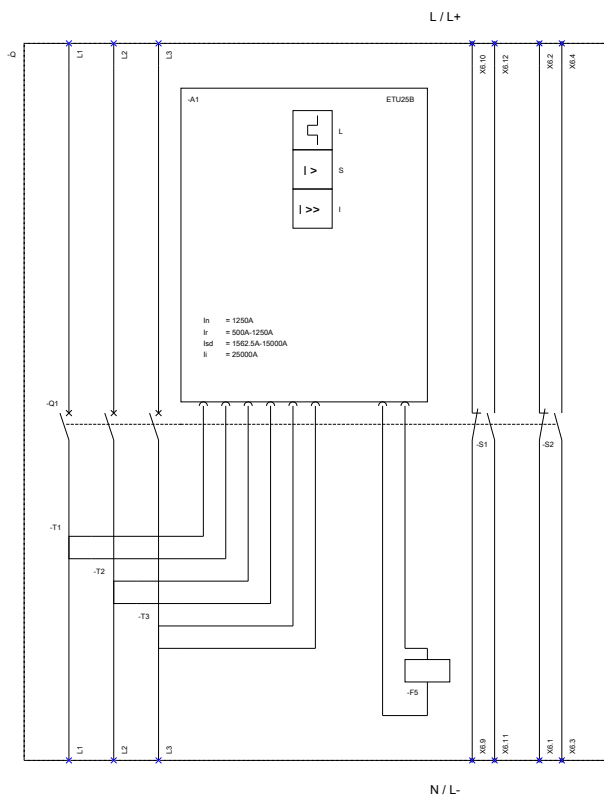
CAX-Online-Generator

siemens.com/cax

Tender specifications

siemens.com/specifications





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
 I (Instantaneous / Kurzschlusschutz, unverzögert); F5 (Maglatch for trip unit / Auslösemagnet);
 S1 - S8 (Auxiliary switch / Hilfsschalter);

last modified:

12/10/2020