

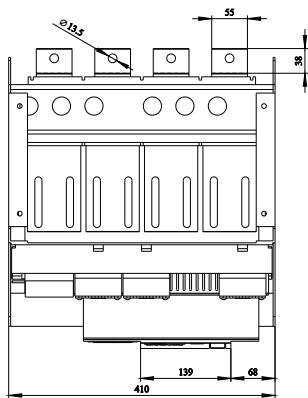
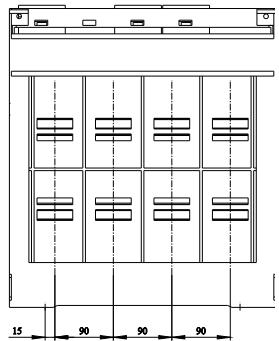
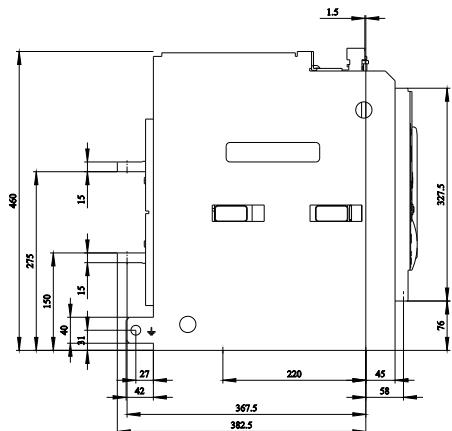
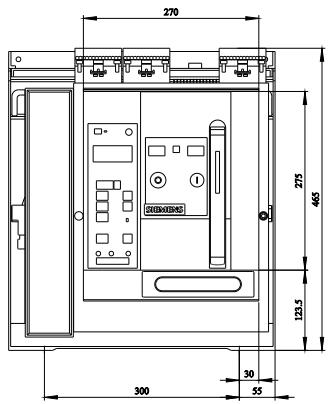
## Data sheet

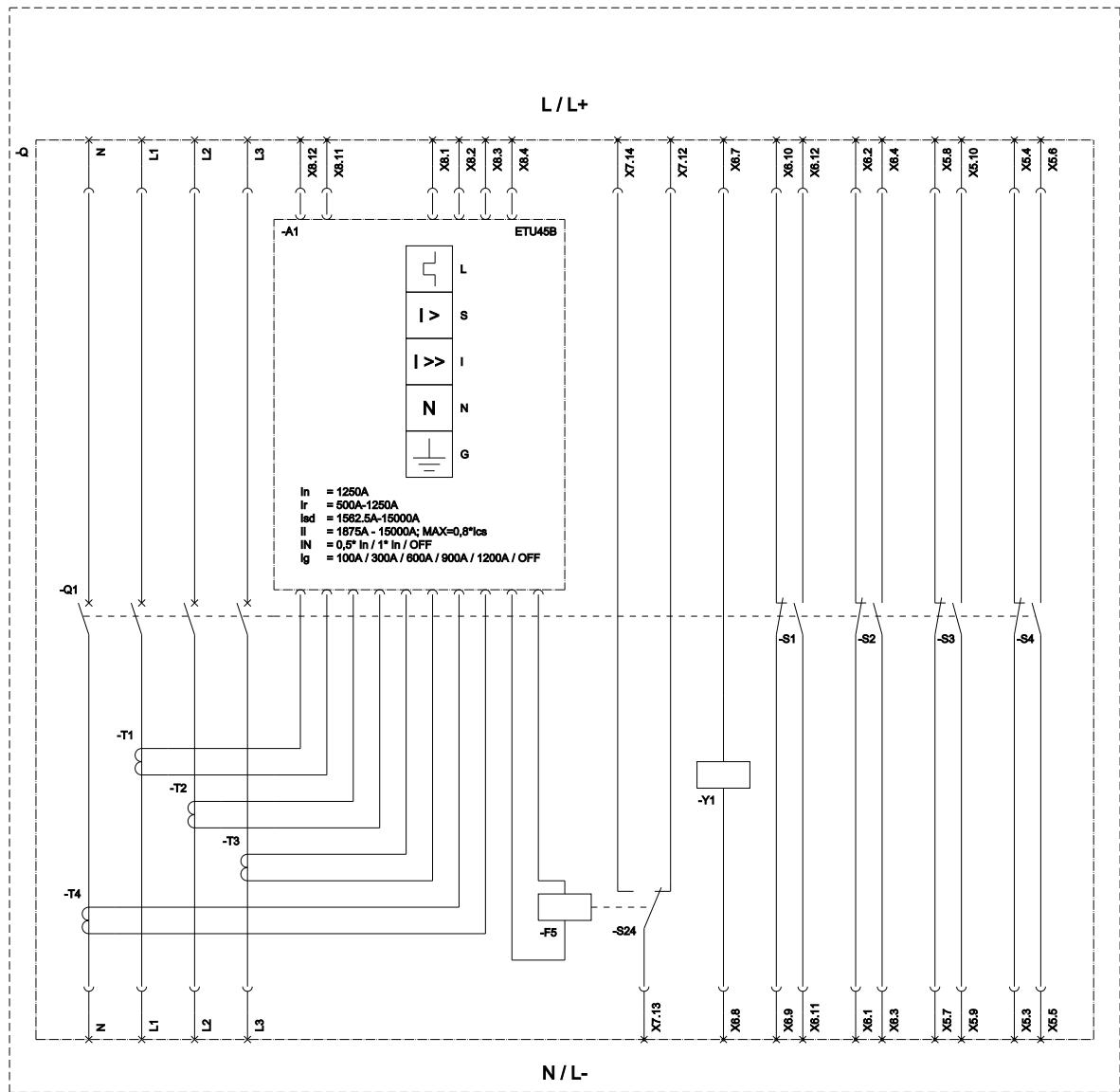
## 3WL1112-3EG46-3AA4-Z F23+K07

withdrawable circuit breaker with guide frame 4-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with cubicle bus and Ground fault protection Opt.: Comm./measuring func./ZSS With manual operating mechanism with storage with electrical + mechanical request 50/60 Hz 230 V AC, 220 V DC without 1st auxiliary release without 2nd auxiliary release 4NO+4NC F23= Internal current transformers 4-pole switch BGI K07= Tripped signaling contact, 1 CO not possible with option F02

| Model   |   |
|---|---|
| design of the product   | IEC 60947-2   |
| design of the actuating element   | Pushbutton  |
| type of the driving mechanism   | Manual operating mechanism with mechanical and electrical closing |
| type of the driving mechanism / motor drive   | No  |
| design of the overcurrent release   | ETU45B  |
| General technical data  |   |
| number of poles   | 4   |
| size of the circuit-breaker   | 1   |
| utilization category  | B   |
| circuit-breaker / Design  | 3WL1  |
| Voltage   |   |
| Rated insulation voltage Ui   | 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  | LSING   |
| Dissipation   |   |
| power loss [W]  |   |
| • for rated value of the current / at AC / in hot operating state / per pole                          | 68.3 W  |
| • maximum   | 205 W   |
| Main circuit  |   |
| operating frequency   |   |
| • 1 / rated value   | 50 Hz   |
| • 2 / rated value   | 60 Hz   |
| Auxiliary circuit   |   |
| number of NC contacts / for auxiliary contacts  | 4   |
| number of NO contacts / for auxiliary contacts  | 4   |
| Suitability   |   |
| suitability for use   | Plant / motor protection  |
| Adjustable parameters   |   |
| adjustable current response value current / of the L-trip / with I4t characteristic                   |   |
| • initial value   | 500 A   |
| • full-scale value  | 1 250 A   |
| adjustable current response value current / of the current-dependent overload release / initial value | 500 A   |
| Product details   |   |
| product component   |   |
| • trip indicator  | Yes   |
| • voltage trigger   | No  |

|   |  |
|---|--|
| • undervoltage release  | No   |
| <b>design of the auxiliary switch</b>   | 4 NO + 4 NC  |
| <b>product extension / optional / motor drive</b>   | Yes  |
| <b>Product function</b>   |  |
| product function  |  |
| • grounding protection  | Yes  |
| • phase failure detection   | Yes  |
| <b>Display and operation</b>  |  |
| <b>display version</b>  | without display  |
| <b>Short circuit</b>  |  |
| <b>operating short-circuit current breaking capacity (Ics)</b>                                  |  |
| • at 415 V / rated value  | 66 kA  |
| • at 500 V / rated value  | 66 kA  |
| • at 690 V / rated value  | 50 kA  |
| <b>maximum short-circuit current breaking capacity (Icu)</b>                                    |  |
| • at 415 V / rated value  | 66 kA  |
| • at 500 V / rated value  | 66 kA  |
| • at 690 V / rated value  | 50 kA  |
| <b>Connections</b>  |  |
| arrangement of electrical connectors / for main current circuit                                 | Main connection rear side horizontal   |
| type of electrical connection / for main current circuit  | busbar connection  |
| <b>Mechanical Design</b>  |  |
| <b>height</b>   | 460 mm   |
| <b>width</b>  | 410 mm   |
| <b>depth</b>  | 456 mm   |
| <b>fastening method</b>   | drawer unit  |
| <b>Net Weight</b>   | 84 kg  |
| <b>Environmental conditions</b>   |  |
| <b>ambient temperature / during operation</b>   |  |
| • minimum   | -20 °C   |
| • maximum   | 70 °C  |
| <b>ambient temperature / during storage</b>   |  |
| • minimum   | -40 °C   |
| • maximum   | 70 °C  |
| <b>Further information</b>  |  |
| Information on the packaging  | <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>  |
| Information for data generation and storage   | <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>  |
| Industry Mall (Online ordering system)  | <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3EG46-3AA4-Z F23+K07">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3EG46-3AA4-Z F23+K07</a>      |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)                              | <a href="https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3EG46-3AA4-Z F23+K07">https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3EG46-3AA4-Z F23+K07</a>  |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) | <a href="https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3EG46-3AA4-Z F23+K07">https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3EG46-3AA4-Z F23+K07</a>                    |
| CAx-Online-Generator  | <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>  |
| Tender specifications   | <a href="https://www.siemens.com/specifications">https://www.siemens.com/specifications</a>  |
| Characteristic curves   | <a haupt"&gt;&lt;="" href="https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP=" mmp_prod_no&gt;"="">https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP="HAUPT"&gt;&lt;/mmp_prod_no&gt;</a> |





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