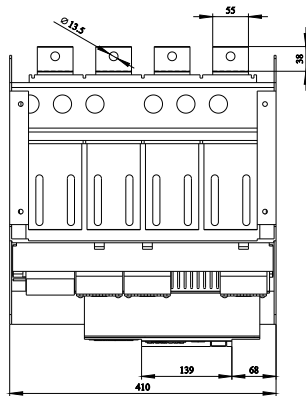
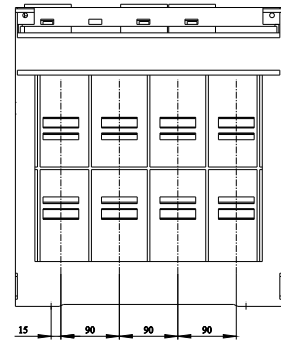
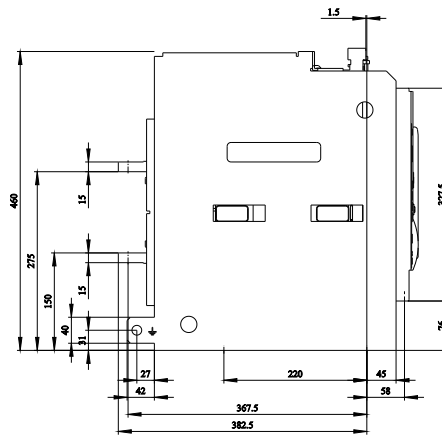
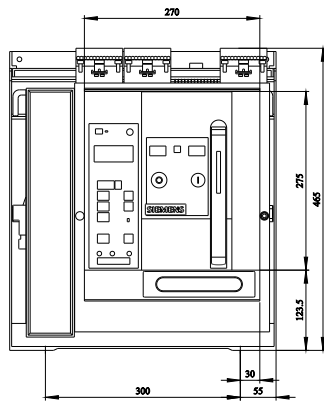
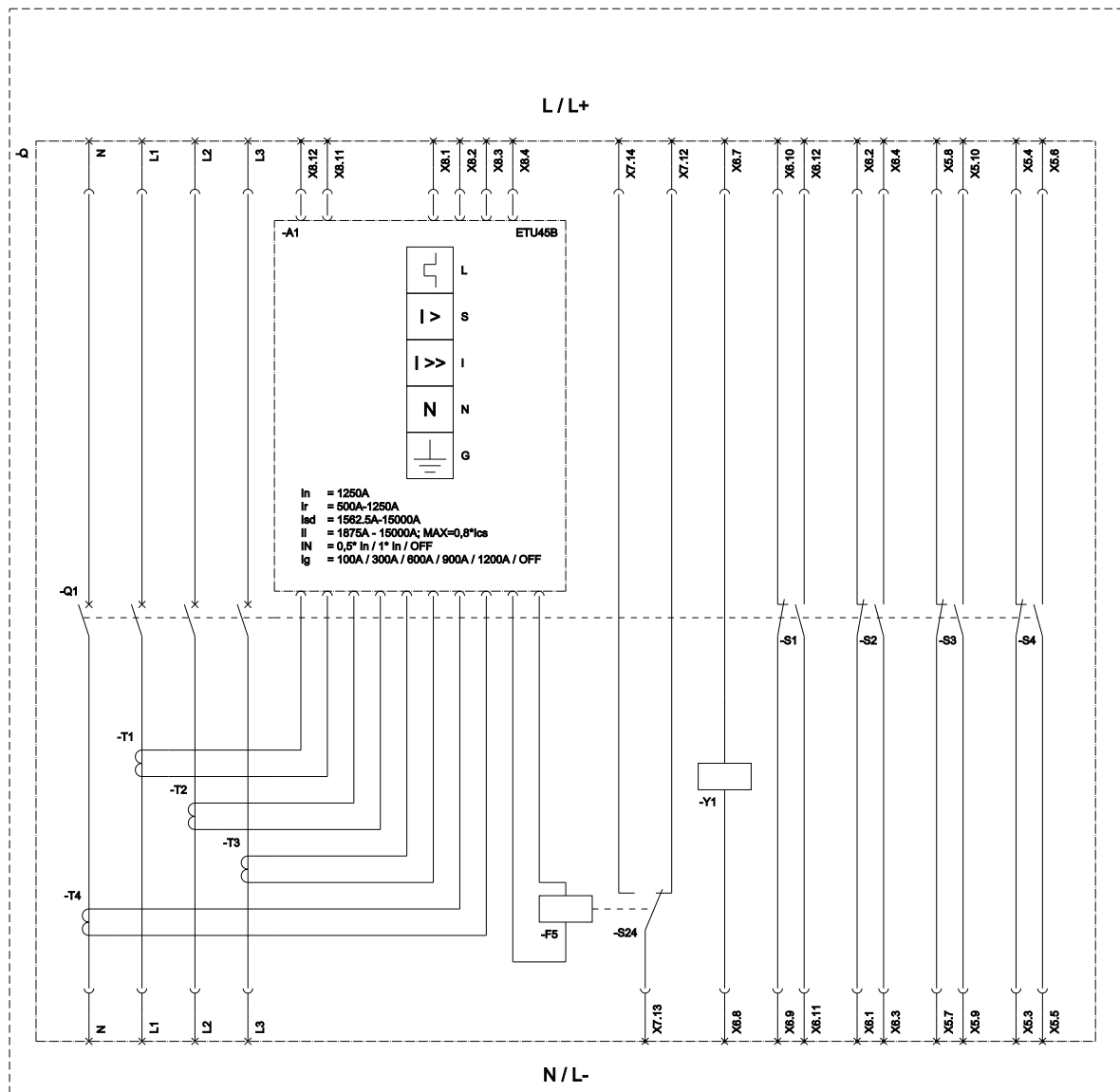


withdrawable circuit breaker with guide frame 4-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with cubicle bus and Ground fault protection Opt.: Comm./measuring func./ZSS With manual operating 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>	
<b>product function</b>	
• 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>	
<b>Information on the packaging</b> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a> <b>Information for data generation and storage</b> <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a> <b>Industry Mall (Online ordering system)</b> <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> <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <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> <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <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> <b>CAX-Online-Generator</b> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <b>Tender specifications</b> <a href="https://www.siemens.com/specifications">https://www.siemens.com/specifications</a> <b>Characteristic curves</b> <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>	





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeilverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz);  
 G (Ground Fault Protection / Erdschussschutz); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter);  
 S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgabelstmeldeschalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

12/16/2025

