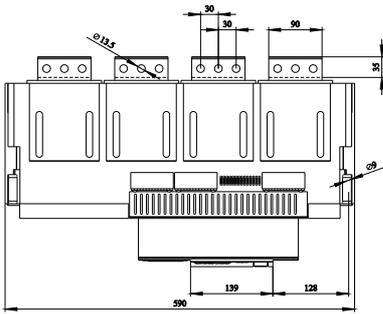
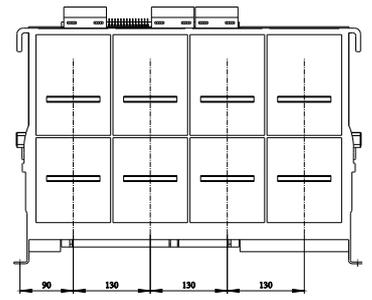
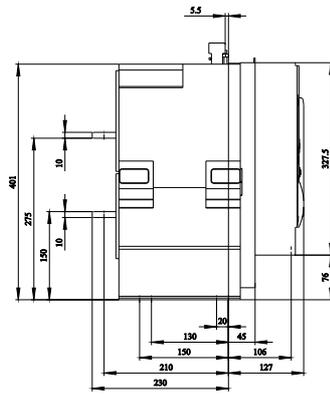
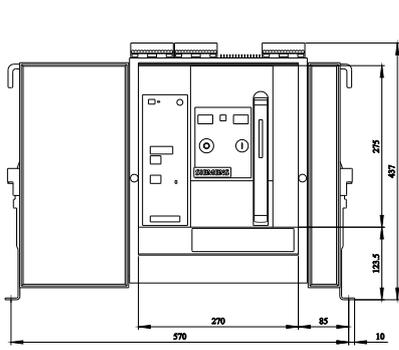
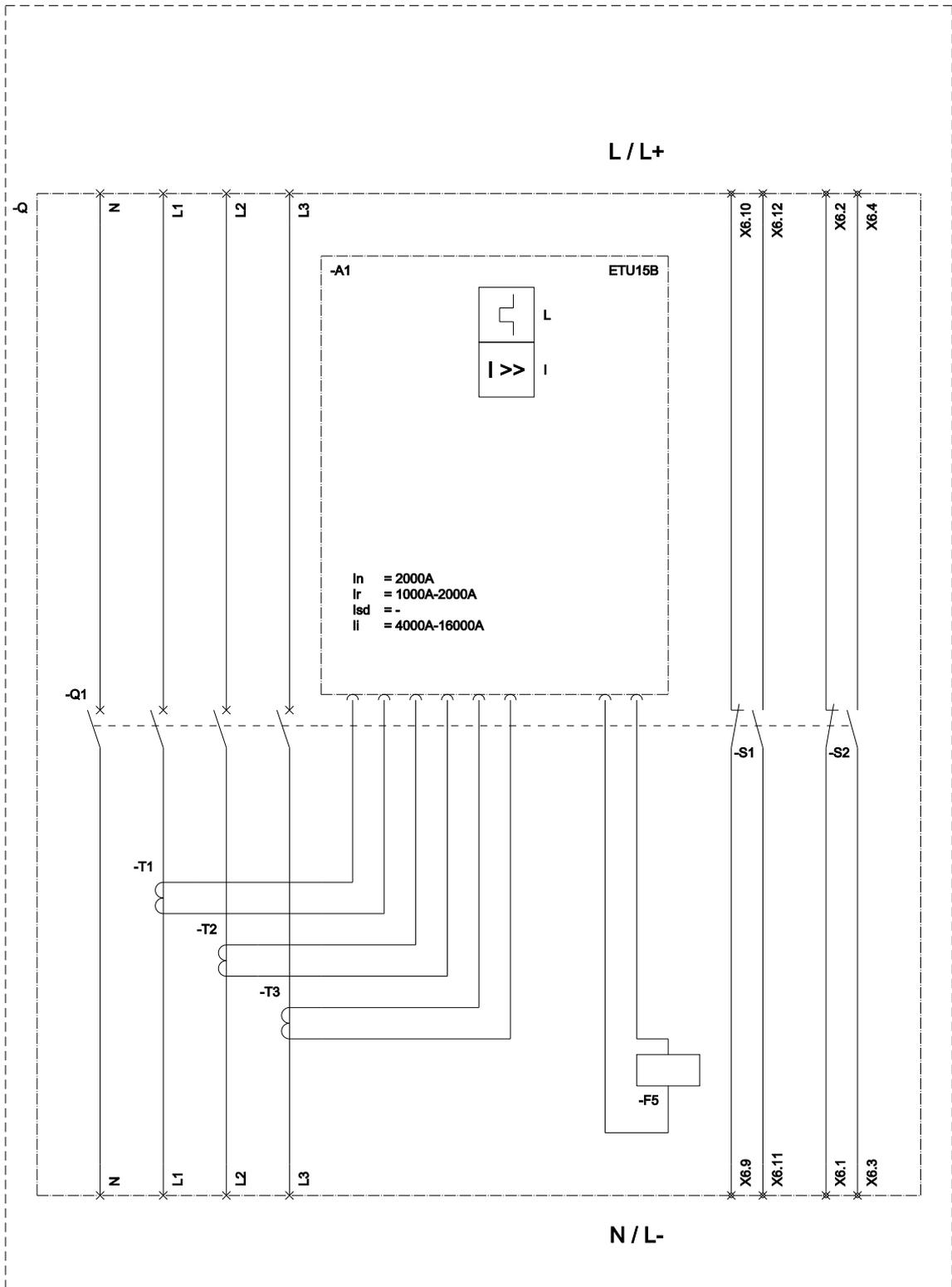


fixed-mounted circuit breaker 4-pole, size II, IEC In=2000A to 690V, AC50/60Hz
Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 15 LI
protection adjustable 0.5-1 in With manual operating mechanism with storage with
mechanical request without 1st auxiliary release without 2nd auxiliary release
2NO+2NC

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the 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	ETU15B
General technical data	
number of poles	4
size of the circuit-breaker	2
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	LI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	60 W
• maximum	180 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	1 000 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	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 	No
<ul style="list-style-type: none"> • phase failure detection 	No
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> • at 415 V / rated value 	66 kA
<ul style="list-style-type: none"> • at 500 V / rated value 	66 kA
<ul style="list-style-type: none"> • at 690 V / rated value 	50 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> • at 415 V / rated value 	66 kA
<ul style="list-style-type: none"> • at 500 V / rated value 	66 kA
<ul style="list-style-type: none"> • at 690 V / rated value 	50 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	440.5 mm
width	590 mm
depth	337 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> • minimum 	-20 °C
<ul style="list-style-type: none"> • maximum 	70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum 	-40 °C
<ul style="list-style-type: none"> • maximum 	70 °C
Further information	
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-2BB42-1AA2	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-2BB42-1AA2	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-2BB42-1AA2	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	





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

