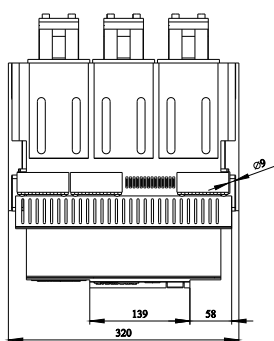
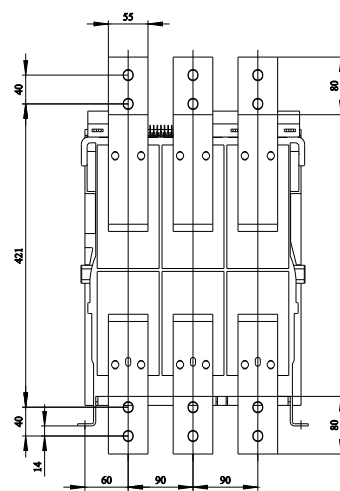
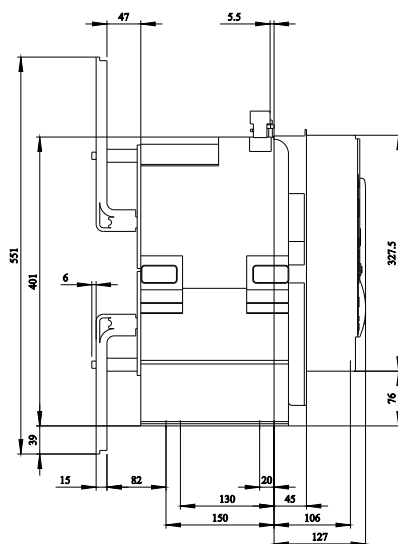
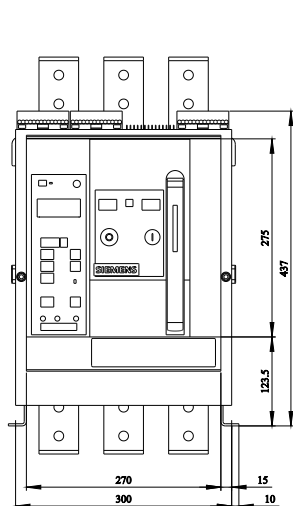
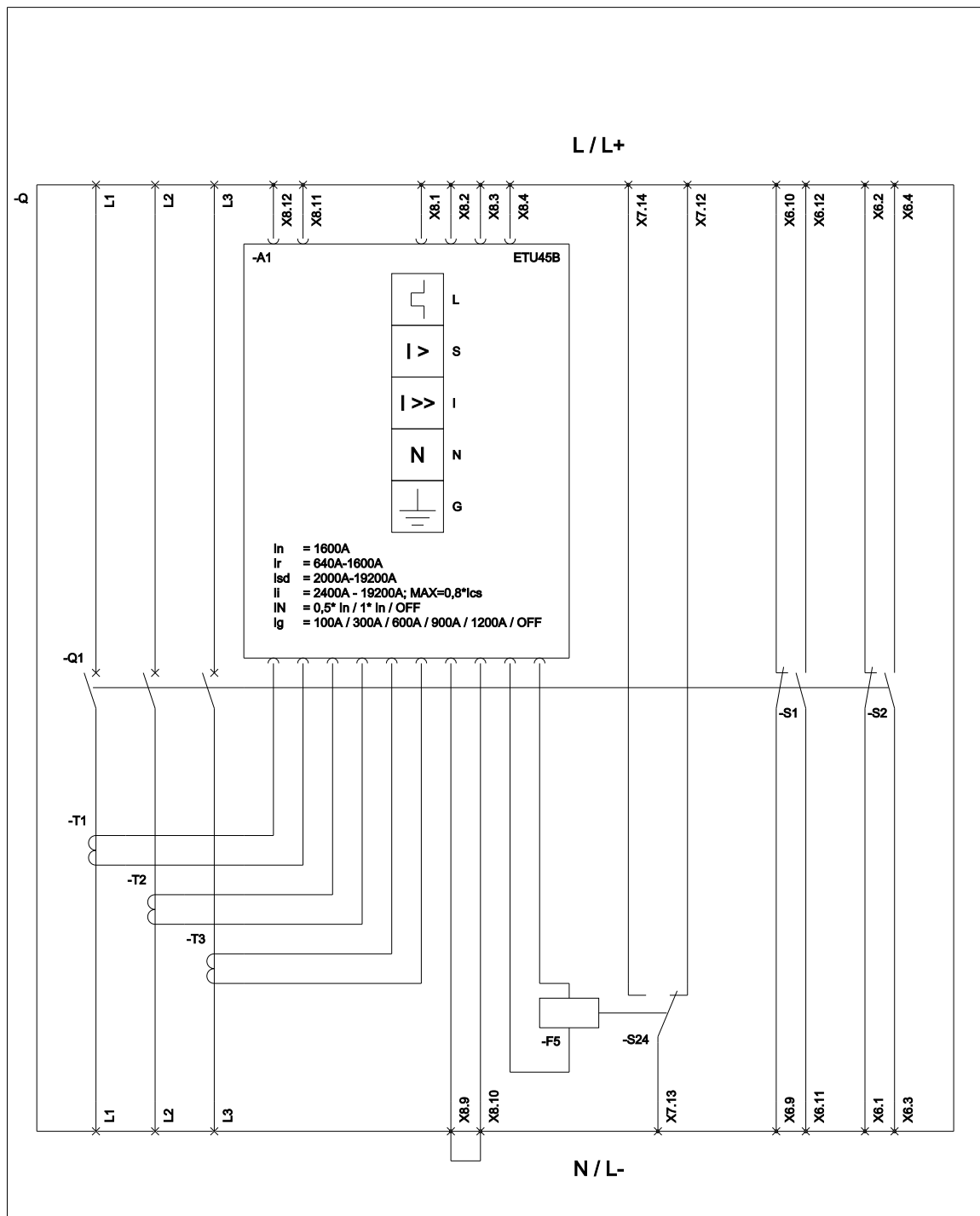


fixed-mounted circuit breaker 3-pole, size I, IEC In=1600A to 690V, AC50/60Hz
Icu=66kA at 500V frnt.conn. top/bot. dual-hole Overcurrent release ETU 45 LSING
protection adjustable 0.4-1 in with cubicle bus and Ground fault protection Opt.:
Comm./measuring func./ZSS With manual operating mechanism with storage with
mechanical request without 1st auxiliary release without 2nd auxiliary release
2NO+2NC K07= Tripped signaling contact, 1 CO not possible with option F02
S01= CES locking device in OFF position (safe OFF/disconnector functionality)
Disconnector condition IEC 60947-2 S30 = LOCKING DEVICE AGAINST
OPENING OF CABINET

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	ETU45B
General technical data	
number of poles	3
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	50 W
• maximum	150 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	Plant / motor protection
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	640 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	
• grounding protection	Yes
• phase failure detection	Yes
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection top front/bottom double hole
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	541 mm
width	320 mm
depth	374 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• 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=3WL1116-3EG34-1AA2-Z K07+S01+S30	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1116-3EG34-1AA2-Z K07+S01+S30	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1116-3EG34-1AA2-Z K07+S01+S30	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	





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

last modified:

11/9/2021

