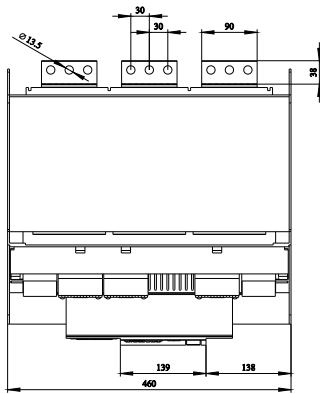
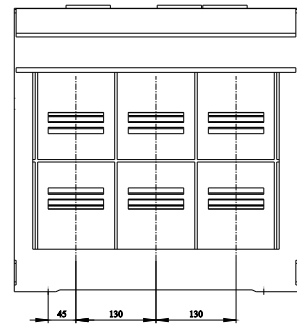
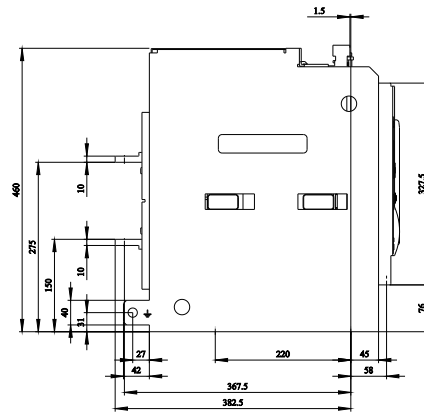
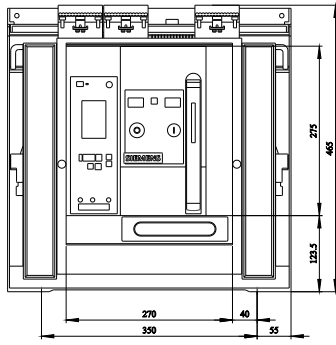
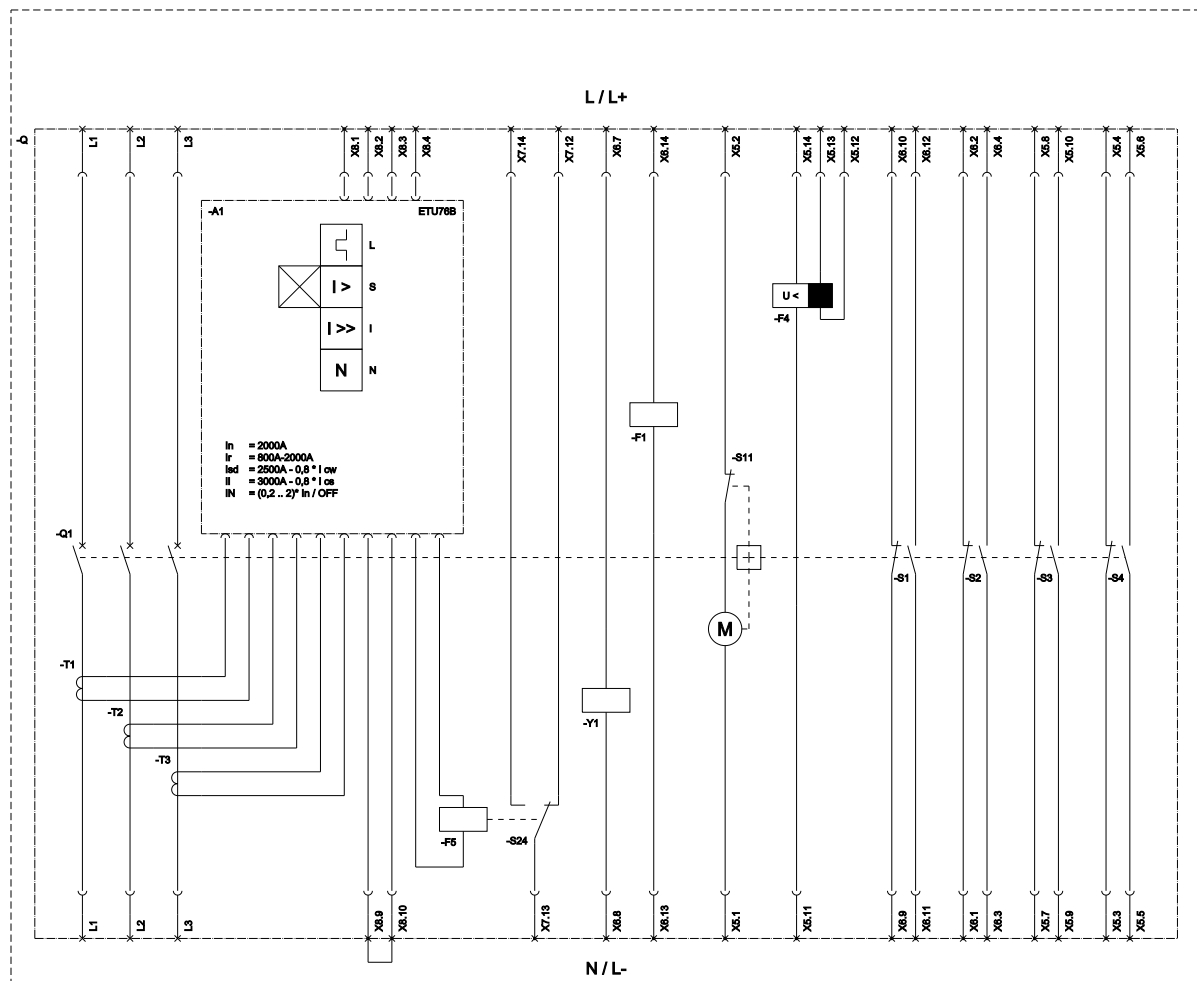


withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=2000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal Overcurrent release ETU 76 LSI protection adjustable 0.4-1 in with graphic display U cubicle bus Communication/ground fault/ ZSS option Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 4NO+4NC K07= Tripped signaling contact, 1 CO not possible with option F02 R10= Arc chute cover withdrawable part not possible with option A05 Rated voltage 1000 V R21= Shutter 2-part can be locked with padlock R30= Locking device against opening of the control cabinet door S07= Castell/Fortress in Off position with 4 padlock (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2

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/motorized operating mechanism with mechanical and electrical closing
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU76B
General technical data	
number of poles	3
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	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	106.7 W
• maximum	320 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	800 A
• full-scale value	2 000 A
adjustable current response value current / of the current-	800 A

dependent overload release / initial value	
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• phase failure detection	Yes
Display and operation	
display version	With fully-graphical display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 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	465.5 mm
width	460 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	55 °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=3WL1220-4NB36-4GS4-Z K07+R10+R21+R30+S07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-4NB36-4GS4-Z K07+R10+R21+R30+S07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-4NB36-4GS4-Z K07+R10+R21+R30+S07 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzzeitverzug); I (Instantaneous / Kurzschlusschutz, unverzögert); N (Neutral Protection / Neutralleiterchutz);
S11 (Internal motor shutdown switch, if spring is tensioned / Interne Motorschalterschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsöffner); F4 (Undervoltage release time delayed / Unterspannungsöffner verzögert);
F5 (Maglock for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S24 (1st trip signalling switch K07 (Reset position) / Erster Ausgelfestschalter K07 (Reset Position)); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/20/2020

