

Draw-out circuit breaker Without guide frame 3-pole, Size 1, IEC In=1250 A up to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection 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 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load factor without 2nd auxiliary release 4NO+4NC C01= mechanical switching cycle counter F02= COM15 PROFIBUS module with breaker status sensor F36= Metering PLUS Voltage-tap bottom side I, U, P, W, Q, f, cos phi, harmonics, THD, S01= CES locking device in OFF position (safe OFF/disconnector functionality) 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	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	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	68.3 W
• maximum	205 W
Current	
operational current	
• at 40 °C / rated value	1 250 A
• at 45 °C / rated value	1 250 A
• at 50 °C / rated value	1 250 A
• at 55 °C / rated value	1 250 A
continuous current / rated value / maximum	1 250 A
continuous current / rated value	1 250 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 250 A
• of instantaneous short-circuit trip unit / minimum	1 875 A
• of instantaneous short-circuit trip unit / maximum	52 800 A
Main circuit	
operating frequency	

• 1 / rated value • 2 / rated value	50 Hz 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 I_{Δt} characteristic / initial value • of the L-trip / with I_{Δt} characteristic / full-scale value	500 A 1 250 A
adjustable current response value current / of the current-dependent overload release / initial value	500 A
Product details	
product component	
• trip indicator • voltage trigger • undervoltage release	Yes Yes No
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection • phase failure detection	No Yes
Display and operation	
display version	With fully-graphical display
Short circuit	
operating short-circuit current breaking capacity (I _{cs})	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	66 kA 66 kA 50 kA
maximum short-circuit current breaking capacity (I _{cu})	
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	66 kA 66 kA 50 kA
Connections	
arrangement of electrical connectors / for main current circuit	without guide frame
type of electrical connection / for main current circuit	Blade contacts
Mechanical Design	
height	411.5 mm
width	311 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum • maximum	-40 °C 55 °C
ambient temperature / during storage	
• minimum • maximum	-40 °C 80 °C
Further information	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3NB65-5FA4-Z_C01+F02+F36+S01	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3NB65-5FA4-Z_C01+F02+F36+S01	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3NB65-5FA4-Z_C01+F02+F36+S01	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	



last modified:

10/28/2022 

