

withdrawable circuit breaker without guide frame 3-pole, size II, IEC In=1600A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 15 LI protection adjustable 0.5-1 in 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 With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 110-127 V AC, 110-125 V DC, 100% ED 2NO+2NC C01= mechanical switching cycle counter F31= EMC filter

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	ETU15B
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	LI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	58.7 W
• maximum	175 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	800 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC

product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• phase failure detection	No
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	80 kA
• at 500 V / rated value	80 kA
• at 690 V / rated value	75 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	451 mm
depth	337 mm
fastening method	drawer unit
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=3WL1216-3BB35-5FR2-Z C01+F31	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)	
https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-3BB35-5FR2-Z C01+F31	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)	
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-3BB35-5FR2-Z C01+F31	
CAX-Online-Generator	
http://www.siemens.com/cax	
Tender specifications	
http://www.siemens.com/specifications	



