

Draw-out circuit breaker with slide-in module frame 3-pole, Size 2, IEC In=2500 A to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Rear horizontal connection Overcurrent release ETU 15 LI protection adjustable 0.5-1 in 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 without 1st auxiliary release 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 R15= Position signaling switch, withdrawable part 3 changeover contacts

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	173.3 W
• maximum	520 W
Current	
operational current	
• at 40 °C / rated value	2 500 A
• at 45 °C / rated value	2 500 A
• at 50 °C / rated value	2 500 A
• at 55 °C / rated value	2 500 A
• at 60 °C / rated value	2 500 A
• at 65 °C / rated value	2 500 A
• at 70 °C / rated value	2 280 A
continuous current / rated value / maximum	2 500 A
continuous current / rated value	2 500 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / minimum	5 000 A
• of instantaneous short-circuit trip unit / maximum	20 000 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	system protection
Product details	
product component • trip indicator • voltage trigger • undervoltage release	Yes No Yes
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 No
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 85 kA
breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 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 • maximum	-40 °C 70 °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=3WL1225-4BB66-4AS4-Z K07+R15 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-4BB66-4AS4-Z K07+R15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-4BB66-4AS4-Z K07+R15 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	



last modified:

9/28/2021 