

fixed-mounted circuit breaker 3-pole, size I, IEC In=1600A to 690V, AC50/60Hz Icu=55kA at 500V frnt.conn. top/bot. dual-hole Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in Motorized/manual operating mechanism with spring charging motor 24-30 V DC Activation 24 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 24 V DC 2NO+2NC K07= Tripped signaling contact, 1 CO not possible with option F02

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	ETU25B
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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	50 W
• maximum	150 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 600 A
• at 50 °C / rated value	1 600 A
• at 55 °C / rated value	1 600 A
• at 60 °C / rated value	1 600 A
• at 65 °C / rated value	1 600 A
• at 70 °C / rated value	1 490 A
continuous current / rated value / maximum	1 600 A
continuous current / rated value	1 600 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 600 A
• of instantaneous short-circuit trip unit / minimum	32 000 A
• of instantaneous short-circuit trip unit / maximum	32 000 A
Main circuit	
operating frequency	

• 1 / rated value • 2 / rated value	50 Hz 60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	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 • voltage trigger • undervoltage release	Yes No Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function • grounding protection • phase failure detection	No Yes
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	55 kA 55 kA 42 kA
breaking capacity maximum short-circuit current (Icu) • at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	55 kA 55 kA 42 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 • maximum	-20 °C 70 °C
ambient temperature / during storage • minimum • maximum	-40 °C 70 °C
Further information	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1116-2CB34-6AJ2-Z K07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1116-2CB34-6AJ2-Z K07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1116-2CB34-6AJ2-Z K07 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	



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