SIEMENS

Data sheet

3WL1116-2CB66-4GS4-Z C22+K07+R15

Draw-out circuit breaker with slide-in module frame 3-pole, Size 1, IEC In=1600 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 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 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 C22= Ready indicator 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	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	1
utilization category	В
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 	116.7 W
maximum	350 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	50 Hz
• 2 / rated value	60 Hz
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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 current- dependent overload release / initial value	640 A
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	without display
Short circuit	
breaking capacity operating short-circuit current (lcs)	
• at 415 V / rated value	55 kA
at 500 V / rated value	55 kA
at 690 V / rated value	42 kA
breaking capacity maximum short-circuit current (Icu)	
at 415 V / rated value	55 kA
at 500 V / rated value	55 kA
at 690 V / rated value	42 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	460 mm
width	320 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
minimum	-40 °C
• maximum	
	80 °C

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1116-2CB66-4GS4-Z C22+K07+R15

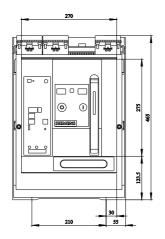
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

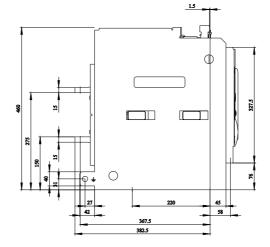
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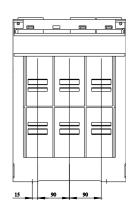
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1116-2CB66-4GS4-Z C22+K07+R15

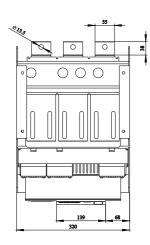
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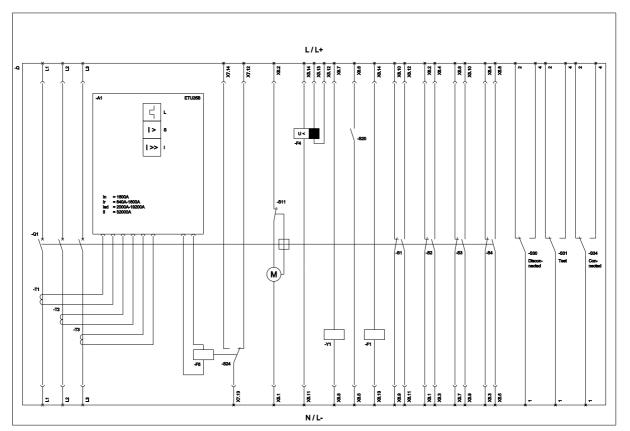
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