

CSB

State-of-the-art three-phase prismatic power capacitors



Description

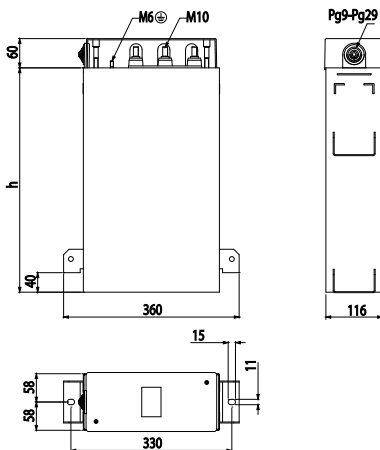
The application of new technologies have allowed **CIRCUTOR** to reinvent the classic **CS** capacitor, manufactured for more than 35 years.

The spirit of innovation and proprietary technology used during the design of the new CSB capacitor have increased the working life of conventional prismatic capacitors by over 60%. This new series has improved all aspects of the previous models, offering our customers a capacitor that is longer lasting, safer and more cost-efficient.

Applications

Its application is based on compensation in installations with static and variable loads (capacitor banks).

Dimensions



h
650
550
460
270

Technical features

Features		
Overload	1.3 times the nominal hold current	
Overvoltage	10%, 8 over 24 hours 15%, up to 15 minutes over 24 hours 20%, up to 5 minutes over 24 hours 30%, up to 1 minute over 24 hours	
Insulation level	3 / 15 kV	
Power ratings	5 kvar...120 kvar	
Voltage	230 V...1100 V	
Tolerance	-5%...+15%	
Discharge resistance	75 V / 3 minutes	
Frequency	50 or 60 Hz	
Losses:	Dielectric: < 0.2 W / kvar Totals: < 0.4 W / kvar	
Protections	Dielectric regeneration Internal fuse Over-pressure system Vermiculite	
Mechanical features	Enclosure	Treated and painted steel, colour RAL 3005
	Terminals	M10 power M6 earth
	Torque value	15 Nm
	Protection degree	IP 42 with terminal cover
Environmental conditions	Temperature class D:	Daily measurement: 45 °C Annual mean: 35 °C Maximum: 55 °C Minimum: -25 °C
	Relative humidity	80% without condensation
	Maximum altitude	2,000 m
Assembly conditions	Type of assembly	Vertical / Horizontal
	Ventilation	Natural or forced, depending on the design of the cabinet
	Distance between capacitors	Minimum: 4 cm
Standards	IEC 60831-1, UNE-EN 60831-1	

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References

230 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
10	12.5	3.3	360 x 330 x 120	CSB-23/10	R2321C
12.5	15	3.3	360 x 330 x 120	CSB-23/12.5	R2321D
15	17.5	3.3	360 x 330 x 120	CSB-23/15	R2321E
20	25	4.2	360 x 330 x 120	CSB-23/20	R2321F
25	30	5.0	360 x 330 x 120	CSB-23/25	R2321G
30	35	5.0	360 x 330 x 120	CSB-23/30	R2321H
40	50	7.3	360 x 520 x 120	CSB-23/40	R2321J
50	60	8.2	360 x 520 x 120	CSB-23/50	R2321K

400 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
15	17.5	3.3	360 x 330 x 120	CSB-40/15	R2323E
20	25	3.3	360 x 330 x 120	CSB-40/20	R2323F
25	30	3.3	360 x 330 x 120	CSB-40/25	R2323G
30	35	4.2	360 x 330 x 120	CSB-40/30	R2323H
40	50	5.0	360 x 330 x 120	CSB-40/40	R2323J
50	60	5.0	360 x 330 x 120	CSB-40/60	R2323K
60	70	6.6	360 x 520 x 120	CSB-40/60	R2323L
80	95	8.2	360 x 520 x 120	CSB-40/80	R2323Q
100	120	9.0	360 x 520 x 120	CSB-40/100	R2323R

440 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
15	17.5	2.6	360 x 330 x 120	CSB-44/15	R2324E
20	25	3.3	360 x 330 x 120	CSB-44/20	R2324F
25	30	3.3	360 x 330 x 120	CSB-44/25	R2324G
30	35	3.5	360 x 330 x 120	CSB-44/30	R2324H
40	50	4.2	360 x 330 x 120	CSB-44/40	R2324J
50	60	5.0	360 x 330 x 120	CSB-44/50	R2324K
60	70	5.0	360 x 330 x 120	CSB-44/60	R2324L
80	95	7.3	360 x 520 x 120	CSB-44/80	R2324Q
100	120	8.2	360 x 520 x 120	CSB-44/100	R2324R

440 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
15	17.5	3.3	360 x 330 x 120	CSB-46/15	R2325E
20	25	3.3	360 x 330 x 120	CSB-46/20	R2325F
25	30	4.2	360 x 330 x 120	CSB-46/25	R2325G
30	35	4.2	360 x 330 x 120	CSB-46/30	R2325H
40	50	5.0	360 x 330 x 120	CSB-46/40	R2325J
50	6,6	6,6	360 x 520 x 120	CSB-46/50	R2325K
60	7,3	7,3	360 x 520 x 120	CSB-46/60	R2325L
80	9,0	9,0	360 x 520 x 120	CSB-46/80	R2325Q
100	120	10,9	360 x 610 x 120	CSB-46/100	R2325R

480 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
8	10	2.8	360 x 330 x 120	CSB-48/10	R277AC
12.5	15	3.5	360 x 330 x 120	CSB-48/15	R277AE
16.7	20	3.5	360 x 330 x 120	CSB-48/20	R277AF
20.8	25	4.2	360 x 330 x 120	CSB-48/25	R277AG
25	30	4.2	360 x 330 x 120	CSB-48/30	R277AH
33.3	40	5.0	360 x 330 x 120	CSB-48/40	R277AJ
41.7	50	6.8	360 x 520 x 120	CSB-48/50	R277AK
50	60	7.5	360 x 520 x 120	CSB-48/60	R277AL
66.7	80	9.0	360 x 520 x 120	CSB-48/80	R277AQ
83.8	100	10.9	360 x 520 x 120	CSB-48/100	R277AR

525 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
10	12.5	2.6	360 x 330 x 120	CSB-52/10	R2326C
15	17.5	3.3	360 x 330 x 120	CSB-52/15	R2326E
20	25	3.3	360 x 330 x 120	CSB-52/20	R2326F
25	30	4.2	360 x 330 x 120	CSB-52/25	R2326G
30	35	4.2	360 x 330 x 120	CSB-52/30	R2326H
40	50	5.0	360 x 330 x 120	CSB-52/40	R2326J
50	60	6.6	360 x 520 x 120	CSB-52/50	R2326K
60	70	7.3	360 x 520 x 120	CSB-52/60	R2326L
70	85	8.2	360 x 520 x 120	CSB-52/70	R2326M

690 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
10	12.5	2.6	360 x 330 x 120	CSB-69/10	R232BC
15	17.5	3.3	360 x 330 x 120	CSB-69/15	R232BE
20	25	3.3	360 x 330 x 120	CSB-69/20	R232BF
25	30	3.3	360 x 330 x 120	CSB-69/25	R232BG
30	35	4.2	360 x 330 x 120	CSB-69/30	R232BH
40	50	5.0	360 x 330 x 120	CSB-69/40	R232BJ
50	60	5.0	360 x 330 x 120	CSB-69/50	R232BK
60	70	6.6	360 x 520 x 120	CSB-69/60	R232BL
80	95	8.2	360 x 520 x 120	CSB-69/80	R232BQ
100	-	9.0	360 x 520 x 120	CSB-69/100	R232BR

1100 V

kvar					
50 Hz	60 Hz	Weight (kg)	Dim. mm	Type	Code
10	12	3,5	360x330x120	CSB-110/10	R2327C
20	24	5,0	360x330x120	CSB-110/20	R2327F
30	36	5,0	360x330x120	CSB-110/30	R2327H
40	48	7,5	360x480x120	CSB-110/40	R2327J
50	60	9,0	360x520x120	CSB-110/50	R2327K
60	72	9,0	360x520x120	CSB-110/60	R2327L
70	84	10,9	360x610x120	CSB-110/70	R2327M