

CSB-F

Three-phase power capacitor with fuse protection



Description

The application of new technologies to manufacture prismatic capacitors have allowed **CIRCUTOR** to reinvent the classic **CS** capacitor, manufactured for over 35 years.

The spirit of innovation and proprietary technology used during the design of the new **CSB** capacitor have increased the lifespan of traditional prismatic capacitors by over 60%.

This new series has improved all aspects of the previous models, offering our customers a longer-lasting, safer and more profitable capacitor.

Application

Its application is mainly based on the compensation of transformers and motors. In general, they are used for the compensation of installations with constant loads.

Features

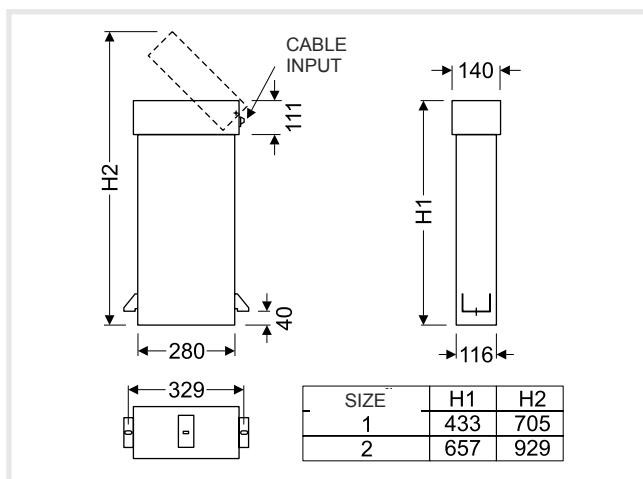
Features		
Operating voltage		230, 400 V (for other voltages, please ask)
Support voltage 400 V		440 V
Capacity tolerance		± 10%
Unit composed of		CS Capacitor + General protection fuses of the NH-00 type with high rupture power (HRP)
Insulation level		3 / 15 kV
Discharge resistance		75 V / 3 minutes
Overcurrent		1.3 times the rated current permanently
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 minutes over 24 hours
Frequency		50 or 60 Hz
Losses:	<ul style="list-style-type: none"> • Dielectric • Total 	< 0.2 W / kvar < 0.5 W / kvar
Protections		<ul style="list-style-type: none"> • Dielectric regeneration • Internal fuse • Overpressure system • Vermiculite
Construction features		
Terminals:	<ul style="list-style-type: none"> • Power rating • Earth 	<ul style="list-style-type: none"> • M6 for CV, M10 for CQ, CSB, CSB-6B, CFB, CFB-6B • M6
Torque value		<ul style="list-style-type: none"> • CV 5 Nm • CQ, CSB, CSB-6B, CFB, CFB-6B: 15 Nm
Ambient conditions		
Class D temperature:	Daily mean	45 °C
	Annual mean	35 °C
	Maximum	50 °C
	Minimum	-25 °C
Humidity		80 % RH
Altitude		2,000 m
Assembly conditions		
Degree of protection		IP 21
Type of assembly		Vertical
Ventilation		Natural or forced, depending on the option
Colour		RAL 7035: Grey / RAL 3005: Maroon
Standards		
CEI 60831-1, CEI 70/7, UNE 20827, UNE 20010, BS 1650, VDE 560		

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Three-phase power capacitor with fuse protection



Dimensions



References

CSB-F 230 V / 50 Hz

kvar	Interrupting power	(A)	Fuses (A)	Cable section (mm ²)	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code
5	50 kA	13	20	6	9	280 x 433 x 140	CSB-F - 5 - 230	R23618
7,5	50 kA	19	35	6	9,2	280 x 433 x 140	CSB-F - 7.5 - 230	R2361A
10	50 kA	25	50	10	9,5	280 x 433 x 140	CSB-F - 10 - 230	R2361C
12,5	50 kA	31	63	10	9,5	280 x 433 x 140	CSB-F - 12.5 - 230	R2361D
15	50 kA	38	80	16	11,3	280 x 433 x 140	CSB-F - 15 - 230	R2361E
20	50 kA	50	100	25	11,8	280 x 433 x 140	CSB-F - 20 - 230	R2361F
25	50 kA	63	125	35	10,8	280 x 433 x 140	CSB-F - 25 - 230	R2361G
30	50 kA	75	160	50	10,8	280 x 657 x 140	CSB-F - 30 - 230	R2361H
40	50 kA	100	160	70	14,5	280 x 657 x 140	CSB-F - 40 - 230	R2361J

CSB-F 440 V / 50 Hz

kvar	Interrupting power	(A)	Fuses (A)	Cable section (mm ²)	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code	
440 V	400 V								
5	4	50 kA	6,6	16	6	8	280 x 433 x 140	CSB-F - 5 - 440	R23958
7,5	6	50 kA	10	20	6	8	280 x 433 x 140	CSB-F - 7.5 - 440	R2395A
10	8	50 kA	13	25	6	8	280 x 433 x 140	CSB-F - 10 - 440	R2395C
12,5	10	50 kA	16	35	6	8,5	280 x 433 x 140	CSB-F - 12.5 - 440	R2395D
15	12,5	50 kA	20	50	6	8,5	280 x 433 x 140	CSB-F - 15 - 440	R2395E
20	17	50 kA	26	50	10	9,5	280 x 433 x 140	CSB-F - 20 - 440	R2395F
25	21	50 kA	33	50	10	9,5	280 x 433 x 140	CSB-F - 25 - 440	R2395G
30	25	120 kA	39	80	16	11	280 x 433 x 140	CSB-F - 30 - 440	R2395H
37,5	31	120 kA	49	100	25	12,5	280 x 433 x 140	CSB-F - 37.5 - 440	R2395J
50	42	120 kA	66	125	35	15	280 x 433 x 140	CSB-F - 50 - 440	R2395K
60	50	120 kA	79	160	50	16	280 x 657 x 140	CSB-F - 60 - 440	R2395L
75	63	120 kA	103	160	70	18	280 x 657 x 140	CSB-F - 75 - 440	R2395P
100	80	120 kA	131	200	70	18,5	280 x 657 x 140	CSB-F - 100 - 440	R2395Q

CSB-F 525 V / 50 Hz

kvar	Interrupting power	(A)	Fuses (A)	Cable section (mm ²)	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code
10	50 kA	11	25	6	8	280 x 433 x 140	CSB-F - 10 - 525	R2366C
15	50 kA	16	35	6	8	280 x 433 x 140	CSB-F - 15 - 525	R2366E
20	50 kA	21	50	6	8,5	280 x 433 x 140	CSB-F - 20 - 525	R2366F
25	50 kA	26	63	10	9,5	280 x 433 x 140	CSB-F - 25 - 525	R2366G
30	50 kA	32	80	16	11	280 x 433 x 140	CSB-F - 30 - 525	R2366H
40	50 kA	42	100	25	12,5	280 x 433 x 140	CSB-F - 40 - 525	R2366J
50	50 kA	53	125	35	15	280 x 433 x 140	CSB-F - 50 - 525	R2366K
60	50 kA	63	160	70	17	280 x 433 x 140	CSB-F - 60 - 525	R2366L
70	50 kA	74	160	70	18	280 x 433 x 140	CSB-F - 70 - 525	R2366M