

CSB-40/100, Power capacitor

Code: R2323R.

> kvar 50 Hz: 100

> kvar 60 Hz: 120

> Use voltage (V): 400

#### Description

The application of new technologies have allowed CIRCUTOR to reinvent the classic **CS** capacitor.

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.

### Application

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





State-of-the-art three-phaseprismatic power capacitors

Code: R2323R.

### Specifications

hours 30 % up to 1 min over 24 hours         Tolerance C       -5 +15 %         Voltage       400 V         Insulation voltage, circuit       3 / 15 kV         Mechanical characteristics       -5 +15 %         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics	Frequency	50 ó 60 Hz
Losses (W)       Dielectric: < 0,2 W / kvar Total: < 0,4 W / kvar         Discharge resistance       75 V / 3 min         Surge       10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over hours 30 % up to 1 min over 24 hours         Tolerance C       -5 +15 %         Voltage       400 V         Insulation voltage, circuit       3 / 15 kV         Mechanical characteristics       Size (mm) width x height x depth         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal, Minimum distance between condensers 4 cm         Weight (kg)       13,5         Environmental characteristics       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T* class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEC 60831-1, UNE-EN 60831-1         Protection       IEC 60831-1, UNE-EN 60831-1	Electrical characteristics	
Discharge resistance     75 V / 3 min       Surge     10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over hours 30 % up to 1 min over 24 hours       Tolerance C     -5 +15 %       Voltage     400 V       Insulation voltage, circuit     3 / 15 kV       Mechanical characteristics	Permanent overload	1,3 ln
Surge       10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over hours 30 % up to 1 min over 24 hours         Tolerance C       -5 +15 %         Voltage       400 V         Insulation voltage, circuit       3 / 15 kV         Mechanical characteristics       5         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T <sup>-</sup> class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEctrical safety, Maximum height (m)         2000       Standards         Electrical safety, Maximum height (m)       2000         Standards       IEC 60831-1, UNE-EN 60831-1	Losses (W)	Dielectric: < 0,2 W / kvar Total: < 0,4 W / kvar
hours 30 % up to 1 min over 24 hours         Tolerance C       -5 +15 %         Voltage       400 V         Insulation voltage, circuit       3 / 15 kV         Mechanical characteristics       -5 +15 %         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics	Discharge resistance	75 V / 3 min
Voltage     400 V       Insulation voltage, circuit     3 / 15 kV       Mechanical characteristics       Size (mm) width x height x depth     360 x 520 x 120 (mm)       Envelope     Treated and painted steel in RAL 3005 colour       Fastening     Vertical / Horizontal. Minimum distance between condensers 4 cm       Ventilation     Natural or forced depending on the cabinet       Weight (kg)     13,5       Envelope     Tre data District Cover       Protection class     IP 42 with terminal cover       Relative humidity (without condensation)     80%       Working temperature     Tr class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C       Standards     IEC 60831-1, UNE-EN 60831-1	Surge	10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over 24 hours 30 % up to 1 min over 24 hours
Insulation voltage, circuit       3 / 15 kV         Mechanical characteristics         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Enveronmental characteristics       IP 42 with terminal cover         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEc 60831-1, UNE-EN 60831-1         Protection       IEC 60831-1, UNE-EN 60831-1	Tolerance C	-5 +15 %
Mechanical characteristics         Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics       Protection class         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEctrical safety, Maximum height (m)         Standards       IEC 60831-1, UNE-EN 60831-1	Voltage	400 V
Size (mm) width x height x depth       360 x 520 x 120 (mm)         Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics       Protection class         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEctrical safety, Maximum height (m)         2000       Standards         Protection       IEC 60831-1, UNE-EN 60831-1	Insulation voltage, circuit	3 / 15 kV
Envelope       Treated and painted steel in RAL 3005 colour         Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics       IP 42 with terminal cover         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       IEc 60831-1, UNE-EN 60831-1         Protection       IEC 60831-1, UNE-EN 60831-1	Mechanical characteristics	
Fastening       Vertical / Horizontal. Minimum distance between condensers 4 cm         Ventilation       Natural or forced depending on the cabinet         Weight (kg)       13,5         Environmental characteristics       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, min -25 °C         Standards       IEc consolid temperature         Flortection       2000         Standards       IEC 60831-1, UNE-EN 60831-1	Size (mm) width x height x depth	360 x 520 x 120 (mm)
Ventilation     Natural or forced depending on the cabinet       Weight (kg)     13,5       Environmental characteristics     IP 42 with terminal cover       Protection class     IP 42 with terminal cover       Relative humidity (without condensation)     80%       Working temperature     T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C       Standards     Electrical safety, Maximum height (m)       Standards     IEC 60831-1, UNE-EN 60831-1	Envelope	Treated and painted steel in RAL 3005 colour
Weight (kg)       13,5         Environmental characteristics         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T <sup>a</sup> class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       Electrical safety, Maximum height (m)         2000       Standards         Protection       IEC 60831-1, UNE-EN 60831-1	Fastening	Vertical / Horizontal. Minimum distance between condensers 4 cm
Environmental characteristics         Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T* class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       Electrical safety, Maximum height (m)         2000       Standards         Protection       IEC 60831-1, UNE-EN 60831-1	Ventilation	Natural or forced depending on the cabinet
Protection class       IP 42 with terminal cover         Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, min -25 °C         Standards       Electrical safety, Maximum height (m)         Standards       IEC 60831-1, UNE-EN 60831-1         Protection       Protection	Weight (kg)	13,5
Relative humidity (without condensation)       80%         Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, mir -25 °C         Standards       Electrical safety, Maximum height (m)         Standards       IEC 60831-1, UNE-EN 60831-1         Protection       IEC 60831-1, UNE-EN 60831-1	Environmental characteristics	
Working temperature       T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, min -25 °C         Standards       Electrical safety, Maximum height (m)       2000         Standards       IEC 60831-1, UNE-EN 60831-1         Protection       Electrical safety, Maximum height (m)	Protection class	IP 42 with terminal cover
-25 °C Standards Electrical safety, Maximum height (m) 2000 Standards IEC 60831-1, UNE-EN 60831-1 Protection	Relative humidity (without condensation)	80%
Electrical safety, Maximum height (m)     2000       Standards     IEC 60831-1, UNE-EN 60831-1	Working temperature	Tª class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, minimun -25 °C
Standards IEC 60831-1, UNE-EN 60831-1 Protection	Standards	
Protection	Electrical safety, Maximum height (m)	2000
	Standards	IEC 60831-1, UNE-EN 60831-1
Circuit breaker type Dielectric regeneration Internal fuse Overpressure system Vermiculite	Protection	
	Circuit breaker type	Dielectric regeneration Internal fuse Overpressure system Vermiculite

#### CSB

Power capacitors for LV

CODE	TYPE	kvar 50 Hz	kvar 60 Hz	Use voltage (V)
230 Vac				
R2321C.	CSB-23/10	10	12.5	230

# Circutor

Creation date: 15/07/2025 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons. It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



State-of-the-art three-phaseprismatic power capacitors

Code: R2323R.

CODE	ТҮРЕ	kvar 50 Hz	kvar 60 Hz	Use voltage (V)
R2321D.	CSB-23/12,5	12.5	15	230
R2321E.	CSB-23/15	15	17.5	230
R2321F.	CSB-23/20	20	25	230
R2321G.	CSB-23/25	25	30	230
R2321H.	CSB-23/30	30	35	230
R2321J.	CSB-23/40	40	50	230
R2321K.	CSB-23/50	50	60	230
400 Vac				
R2323E.	CSB-40/15	15	17.5	400
R2323F.	CSB-40/20	20	25	400
R2323G.	CSB-40/25	25	30	400
R2323H.	CSB-40/30	30	35	400
R2323J.	CSB-40/40	40	50	400
R2323K.	CSB-40/50	50	60	400
R2323L.	CSB-40/60	60	70	400
R2323Q.	CSB-40/80	80	95	400
R2323R.	CSB-40/100	100	120	400
440 Vac				
R2324E.	CSB-44/15	15	17.5	440
R2324F.	CSB-44/20	20	25	440
R2324G.	CSB-44/25	25	30	440
R2324H.	CSB-44/30	30	35	440
R2324J.	CSB-44/40	40	50	440
R2324K.	CSB-44/50	50	60	440
R2324L.	CSB-44/60	60	70	440
R2324Q.	CSB-44/80	80	95	440
R2324R.	CSB-44/100	100	120	440
460 Vac				
R2325E.	CSB-46/15	15	17.5	460
R2325F.	CSB-46/20	20	25	460
R2325G.	CSB-46/25	25	30	460
R2325H.	CSB-46/30	30	35	460
R2325J.	CSB-46/40	40	50	460
R2325K.	CSB-46/50	50	60	460
R2325L.	CSB-46/60	60	70	460
R2325Q.	CSB-46/80	80	95	460
R2325R.	CSB-46/100	100	120	460
525 Vac				
R2326C.	CSB-52/10	10	12.5	525

Circutor

Creation date: 15/07/2025 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons. It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



State-of-the-art three-phaseprismatic power capacitors

Code: R2323R.

CODE	ТҮРЕ	kvar 50 Hz	kvar 60 Hz	Use voltage (V)
R2326E.	CSB-52/15	15	17.5	525
R2326F.	CSB-52/20	20	25	525
R2326G.	CSB-52/25	25	30	525
R2326H.	CSB-52/30	30	35	525
R2326J.	CSB-52/40	40	50	525
R2326K.	CSB-52/50	50	60	525
R2326L.	CSB-52/60	60	70	525
R2326M.	CSB-52/70	70	85	525
690 Vac				
R232BC.	CSB-69/10	10	12.5	690
R232BE.	CSB-69/15	15	17.5	690
R232BF.	CSB-69/20	20	25	690
R232BG.	CSB-69/25	25	30	690
R232BH.	CSB-69/30	30	35	690
R232BJ.	CSB-69/40	40	50	690
R232BK.	CSB-69/50	50	60	690
R232BL.	CSB-69/60	60	70	690
R232BQ.	CSB-69/80	80	95	690
R232BR.	CSB-69/100	100	0	690
1100 Vac for LV networks				
R2327C.	CSB-110/10	10	12	1100
R2327F.	CSB-110/20	20	24	1100
R2327H.	CSB-110/30	30	36	1100
R2327J.	CSB-110/40	40	48	1100
R2327K.	CSB-110/50	50	60	1100
R2327L.	CSB-110/60	60	72	1100
R2327M.	CSB-110/70	70	84	1100

1100 VAC for low-voltage networks ( $\leq$  1000 VAC)



State-of-the-art three-phaseprismatic power capacitors

Code: R2323R.

# Dimensions

×

