



CSB-23/20

CSB-23/20, Power capacitor

Code: R2321F.

- > kvar 50 Hz: 20
- > kvar 60 Hz: 25
- > Use voltage (V): 230

Description

The application of new technologies have allowed CIRCUITOR 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).



CSB-23/20

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

Code: R2321F.

Specifications

AC power supply

| | |
|-----------|------------|
| Frequency | 50 ó 60 Hz |
|-----------|------------|

Electrical characteristics

| | |
|-----------------------------|--|
| Permanent overload | 1,3 In |
| 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 24 hours 30 % up to 1 min over 24 hours |
| Tolerance C | -5 ... +15 % |
| Voltage | 230 V |
| Insulation voltage, circuit | 3 / 15 kV |

Mechanical characteristics

| | |
|----------------------------------|---|
| Size (mm) width x height x depth | 360 x 330 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) | 6,8 |

Environmental characteristics

| | |
|--|--|
| Protection class | IP 42 with terminal cover |
| Relative humidity (without condensation) | 80% |
| Working temperature | T ^a class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, minimum: -25 °C |

Standards

| | |
|---------------------------------------|-----------------------------|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | IEC 60831-1, UNE-EN 60831-1 |

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 |



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| CODE | TYPE | 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 |
| 480 Vac | | | | |
| R277AC. | CSB-48/10 | 8 | 10 | 480 |



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|---------------------------------|------------|------------|------------|-----------------|
| R277AE. | CSB-48/15 | 12.5 | 15 | 480 |
| R277AF. | CSB-48/20 | 16.7 | 20 | 480 |
| R277AG. | CSB-48/25 | 20.8 | 25 | 480 |
| R277AH. | CSB-48/30 | 25 | 30 | 480 |
| R277AJ. | CSB-48/40 | 33.3 | 40 | 480 |
| R277AK. | CSB-48/50 | 41.7 | 50 | 480 |
| R277AL. | CSB-48/60 | 50 | 60 | 480 |
| 525 Vac | | | | |
| R2326C. | CSB-52/10 | 10 | 12.5 | 525 |
| 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 (≤ 1000 VAC)



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Dimensions

