



## CSB-52/30

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CSB-52/30, Power capacitor

Code: R2326H.

- > kvar 50 Hz: 30
- > kvar 60 Hz: 35
- > Use voltage (V): 525

### Description

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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

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



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

Code: R2326H.

### Specifications

#### AC power supply

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

#### Electrical characteristics

|                             |  |
|-----------------------------|--|
| 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                     | 525 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                    |
| Torque setting                   | 15 Nm   |
| Cable gauge at current terminals | Power M10   |
| Fastening                        | Vertical / Horizontal. Minimum distance between condensers 4 cm |
| Ventilation                      | Natural or forced depending on the cabinet                      |
| Weight (kg)                      | 13  |

#### 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, minimum: -25 °C |

#### Current measurement circuit

|                    |        |
|--------------------|--------|
| Allowable overload | 1,3 In |
| Permanent overload | 1,3 In |

#### 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 |
|----------------------|---|



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### CSB

Power capacitors for LV

| CODE           | TYPE        | kvar 50 Hz | kvar 60 Hz | Use voltage (V) |
|----------------|-------------|------------|------------|-----------------|
| <b>230 Vac</b> |             |            |            |                 |
| R2321C.        | CSB-23/10   | 10         | 12.5       | 230             |
| 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             |
| <b>400 Vac</b> |             |            |            |                 |
| 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             |
| <b>440 Vac</b> |             |            |            |                 |
| 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             |
| <b>460 Vac</b> |             |            |            |                 |
| 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             |



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|---------------------------------|------------|------------|------------|-----------------|
| R2325Q.                         | CSB-46/80  | 80         | 95         | 460             |
| R2325R.                         | CSB-46/100 | 100        | 120        | 460             |
| <b>480 Vac</b>                  |            |            |            |                 |
| R277AC.                         | CSB-48/10  | 8          | 10         | 480             |
| 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             |
| <b>525 Vac</b>                  |            |            |            |                 |
| 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             |
| <b>690 Vac</b>                  |            |            |            |                 |
| 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             |
| <b>1100 Vac for LV networks</b> |            |            |            |                 |
| 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            |



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|---------|------------|------------|------------|-----------------|
| R2327M. | CSB-110/70 | 70         | 84         | 1100            |

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



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### Dimensions

