



## CSB-M-25-440

CSB-M-25-440, Power capacitors with circuit breaker protection

Code: R2394G.

- > Cable section (mm<sup>2</sup>): 10
- > kvar (400 V): 21
- > kvar (440 V): 25
- > Cut off power: 6 kA
- > Aut.Switch (A): 50
- > Use voltage (V): 440
- > Type of protection: Circuit breaker

### 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.

### 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.



## CSB-M-25-440

Three-phase power capacitor with circuitbreaker protection

Code: R2394G.

### Specifications

#### AC power supply

|           |       |
|-----------|-------|
| Frequency | 50 Hz |
|-----------|-------|

#### Electrical characteristics

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Permanent overload          | 1,3 In                                           |
| Losses (W)                  | Dielectric: < 0,2 W / kvar Total: < 0,5 W / kvar |
| Discharge resistance        | 75 V / 3 min                                     |
| Surge                       | 10%                                              |
| Tolerance C                 | ± 10 %                                           |
| Voltage                     | 440 V                                            |
| Insulation voltage, circuit | 3 / 15 kV                                        |

#### Mechanical characteristics

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Size (mm) width x height x depth | 140 x 381 x 280 (mm)                                            |
| Envelope                         | Treated and painted steel in RAL 3005 colour                    |
| Thermal management               | Natural or forced according to cabinet design                   |
| Fastening                        | Vertical / Horizontal. Minimum distance between condensers 4 cm |
| Weight (kg)                      | 7                                                               |

#### Environmental characteristics

|                                          |                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------|
| Protection class                         | IP 42 with terminal cover                                                                |
| Relative humidity (without condensation) | 80%                                                                                      |
| Operating temperature                    | T° 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 |

#### Features / performance

|            |                                                             |
|------------|-------------------------------------------------------------|
| Components | CSB capacitor General three-pole circuit breaker protection |
|------------|-------------------------------------------------------------|

#### Protection

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Circuit breaker type | Dielectric regeneration Internal fuse Overpressure system Vermiculite |
|----------------------|-----------------------------------------------------------------------|

#### CSB-M

Power capacitors with miniature circuit breaker protection, 50 Hz



# CSB-M-25-440

Three-phase power capacitor with circuitbreaker protection

Code: R2394G.

| CODE           | TYPE           | kvar (230 V) | Use voltage (V) | kvar (400 V) | kvar (440 V) |
|----------------|----------------|--------------|-----------------|--------------|--------------|
| 230 Vac, 50 Hz |                |              |                 |              |              |
| R23718.        | CSB-M-5-230    | 5            | 230             |              |              |
| R2371A.        | CSB-M-7,5-230  | 7,5          | 230             |              |              |
| R2371C.        | CSB-M-10-230   | 10           | 230             |              |              |
| R2371D.        | CSB-M-12,5-230 | 12,5         | 230             |              |              |
| R2371E.        | CSB-M-15-230   | 15           | 230             |              |              |
| R2371F.        | CSB-M-20-230   | 20           | 230             |              |              |
| R2371G.        | CSB-M-25-230   | 25           | 230             |              |              |
| R2371H.        | CSB-M-30-230   | 30           | 230             |              |              |
| 440 Vac, 50 Hz |                |              |                 |              |              |
| R23948.        | CSB-M-5-440    |              | 440             | 4            | 5            |
| R2394A.        | CSB-M-7,5-440  |              | 440             | 6            | 7,5          |
| R2394C.        | CSB-M-10-440   |              | 440             | 8            | 10           |
| R2394D.        | CSB-M-12,5-440 |              | 440             | 10           | 12,5         |
| R2394E.        | CSB-M-15-440   |              | 440             | 12,5         | 15           |
| R2394F.        | CSB-M-20-440   |              | 440             | 17           | 20           |
| R2394G.        | CSB-M-25-440   |              | 440             | 21           | 25           |
| R2394H.        | CSB-M-30-440   |              | 440             | 25           | 30           |
| R2394J.        | CSB-M-37,5-440 |              | 440             | 31           | 37,5         |
| R2394K.        | CSB-M-50-440   |              | 440             | 42           | 50           |
| R2394L.        | CSB-M-60-440   |              | 440             | 50           | 60           |
| R2394M.        | CSB-M-75-440   |              | 440             | 66           | 75           |



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Dimensions

