



# CSB-M-50-440

CSB-M-50-440, Power capacitors with circuit breaker protection

Code: R2394K.

- > Cable section (mm2): 25
- > kvar (400 V): 42
- > kvar (440 V): 50
- > Cut off power: 10 kA
- > Aut.Switch (A): 100
- > Use voltage (V): 440
- > Type of protection: Circuit breaker

## 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                    |
| Fastening                        | Vertical / Horizontal. Minimum distance between condensers 4 cm |
| Ventilation                      | Natural or forced according to cabinet design                   |
| Weight (kg)                      | 9,8                                                             |

### 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 |

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



**CSB-M-50-440**

Three-phase power capacitor with circuitbreaker protection

Code: R2394K.

Protection

Circuit breaker type

Dielectric regeneration Internal fuse Overpressure system Vermiculite



# CSB-M-50-440

Three-phase power capacitor with circuitbreaker protection

Code: R2394K.

CSB-M

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



## CSB-M-50-440

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## Dimensions

