



# CSB-F-20-440

CSB-F-20-440, Power capacitors with fuse protection

Code: R2395F.

- > Fuses (A): 50
- > Cable section (mm2): 10
- > kvar (400 V): 17
- > kvar (440 V): 20
- > Cut off power: 120 kA
- > Use voltage (V): 440
- > Type of protection: Fuse

## 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)                      | 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 | CS capacitor + general NH-00 type protection fuses with high cut-off power |
|------------|----------------------------------------------------------------------------|



**CSB-F-20-440**

Three-phase power capacitor with fuse protection.

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**Protection**

Circuit breaker type

Dielectric regeneration Internal fuse Overpressure system Vermiculite



# CSB-F-20-440

Three-phase power capacitor with fuse protection.

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CSB-F

| CODE         | TYPE           | kvar (400 V) | kvar (440 V) | Use voltage (V) |
|--------------|----------------|--------------|--------------|-----------------|
| 440 V, 50 Hz |                |              |              |                 |
| R23958.      | CSB-F-5-440    | 4            | 5            | 440             |
| R2395A.      | CSB-F-7,5-440  | 6            | 7,5          | 440             |
| R2395C.      | CSB-F-10-440   | 8            | 10           | 440             |
| R2395D.      | CSB-F-12,5-440 | 10           | 12,5         | 440             |
| R2395E.      | CSB-F-15-440   | 12,5         | 15           | 440             |
| R2395F.      | CSB-F-20-440   | 17           | 20           | 440             |
| R2395G.      | CSB-F-25-440   | 21           | 25           | 440             |
| R2395H.      | CSB-F-30-440   | 25           | 30           | 440             |
| R2395J.      | CSB-F-37,5-440 | 31           | 37,5         | 440             |
| R2395K.      | CSB-F-50-440   | 42           | 50           | 440             |
| R2395L.      | CSB-F-60-440   | 50           | 60           | 440             |
| R2395P.      | CSB-F-75-440   | 63           | 75           | 440             |



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## Dimensions

