



CCF-15-440

CCF-15-440, Power capacitor with contactor and fuses

Code: R3SA31.

- > Fuses (A): 35
- > Cable section (mm²): 10
- > In (A): 20
- > kvar (400 V): 12,5
- > kvar (440 V): 15
- > Cut off power: 120 kA
- > Use voltage (V): 440

Description

The fixed capacitors of the CCF series are single-step units that have been designed for Power factor correction procedures under constant load.

Application

Its application is mainly focused on the compensation of motors, transformers and installations under constant load, providing a signal that connects to the capacitor with a contactor switching operation.



CCF-15-440

CSB Capacitor with contactor and fuses

Code: R3SA31.

Specifications

Electrical characteristics

| | |
|-----------------------------|--|
| 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 |
| Manoeuvre voltage | Contactors: 230 V |
| Tolerance C | ± 10 % sobre la capacidad |
| Voltage | 400 V |
| Insulation voltage, circuit | 3 kV |

Mechanical characteristics

| | |
|----------------------------------|---------------------------------|
| Size (mm) width x height x depth | 360 x 814 x 196 (mm) |
| Envelope | RAL 7035 Grey / RAL 3005 Garnet |
| Fastening | Vertical |
| Ventilation | Natural |
| Weight (kg) | 13 |

Environmental characteristics

| | |
|--|--|
| Protection class | IP 21 |
| Relative humidity (without condensation) | 80% |
| Working temperature | Tª class D: Daily average: 45 °C, annual average: 35 °C, maximum: 50 °C, minimum: -25 °C |

Standards

| | |
|---------------------------------------|--|
| Certifications | VDE 560 |
| Electrical safety, Maximum height (m) | 2000 |
| Standards | IEC 60831-1, IEC 70/7, UNE-EN 20827, UNE-EN 20010, BS 1650 |

Current measurement circuit

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

Features / performance

| | |
|------------|--|
| Components | "CSB capacitor Contactors with pre-insertion block and fast discharge resistor Protection at header via high cut-off power fuses (APR)" |
|------------|--|

CCF
CSB capacitor with contactor and fuses, 50 Hz

| CODE | TYPE | kvar (400 V) | kvar (440 V) | Cable section (mm2) |
|---------------|------|--------------|--------------|---------------------|
| 440 V / 50 Hz | | | | |



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CSB Capacitor with contactor and fuses

Code: R3SA31.

| CODE | TYPE | kvar (400 V) | kvar (440 V) | Cable section (mm2) |
|---------|--------------|--------------|--------------|---------------------|
| R3SA21. | CCF-12,5-440 | 10 | 12,5 | 6 |
| R3SA31. | CCF-15-440 | 12,5 | 15 | 10 |
| R3SA41. | CCF-20-440 | 17 | 20 | 10 |
| R3SA51. | CCF-25-440 | 21 | 25 | 10 |
| R3SA61. | CCF-30-440 | 25 | 30 | 16 |
| R3SA81. | CCF-37,5-440 | 31 | 37,5 | 25 |
| R3SA91. | CCF-50-440 | 42 | 50 | 35 |
| R3SAA1. | CCF-60-440 | 50 | 60 | 50 |
| R3SAB1. | CCF-75-440 | 63 | 75 | 50 |
| R3SAD1. | CCF-100-440 | 80 | 100 | 70 |

Cable cross-section for installations with Un= 400 V. The installation company must ensure compliance with the low voltage directive at all times, in accordance with the particularities of each installation and type of cable



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Dimensions

