



CPA-100-440

CPA-100-440, Fixed capacitors with automatic protection

Code: R24A3M.

- > Cable section (mm²): 70
- > kvar (400 V): 83
- > kvar (440 V): 100
- > Cut off power: 50 kA
- > Aut.Switch (A): 200
- > Use voltage (V): 440
- > Type of protection: automatischer Schalter

Description

The **CPA** capacitors with automatic switch protection are fixed compensation units that have been designed for reactive energy compensation purposes in motors and transformers with constant load levels. Including a general protection system with an automatic switch for the capacitor.

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.



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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 | 360 x 1004 x 196 (mm) |
| Envelope | Treated and painted steel in RAL 3005 colour |
| Fastening | Vertical / Horizontal. Minimum distance between condensers 4 cm |
| Ventilation | Natural or forced depending on the cabinet |
| Weight (kg) | 22 |

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 |
|------------|---|

Protection

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

CPA

Fixed capacitors with automatic 50-Hz switch protection



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Code: R24A3M.

| CODE | TYPE | kvar (400 V) | kvar (440 V) | Use voltage (V) |
|---------|--------------|--------------|--------------|-----------------|
| R24A3D. | CPA-15-440 | 12,5 | 15 | 440 |
| R24A3H. | CPA-25-440 | 21 | 25 | 440 |
| R24A3G. | CPA-37,5-440 | 31 | 37,5 | 440 |
| R24A3J. | CPA-50-440 | 42 | 50 | 440 |
| R24A3K. | CPA-60-440 | 50 | 60 | 440 |
| R24A3L. | CPA-75-440 | 62 | 75 | 440 |
| R24A3M. | CPA-100-440 | 83 | 100 | 440 |
| R24A3N. | CPA-120-440 | 100 | 120 | 440 |

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

