



## CPA-120-440

CPA-120-440, Fixed capacitors with automatic protection

Code: R24A3N.

- > Cable section (mm<sup>2</sup>): 95
- > kvar (400 V): 100
- > kvar (440 V): 120
- > Cut off power: 50 kA
- > Aut.Switch (A): 250
- > 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
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#### 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)	28

#### 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
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#### Protection

Circuit breaker type	Dielectric regeneration Internal fuse Overpressure system Vermiculite
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#### CPA

Fixed capacitors with automatic 50-Hz switch protection



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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  $U_n = 400$  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

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