CPA-50-440

CPA-50-440, Fixed capacitors with automatic protection

Code: R24A3J.

> Cable section (mm2): 25
> kvar (400 V): 42
> kvar (440 V): 50
> Cut off power: 50 kA
> Aut.Switch (A): 100
> 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 814 x 196 (mm)
Envelope	Treated and painted steel in RAL 3005 colour
Thermal management	Natural or forced depending on the cabinet
Fastening	Vertical / Horizontal. Minimum distance between condensers 4 cm
Weight (kg)	15

Environmental characteristics

Protection class	IP 42 with terminal cover
Relative humidity (without condensation)	80%
Working temperature	Tª 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	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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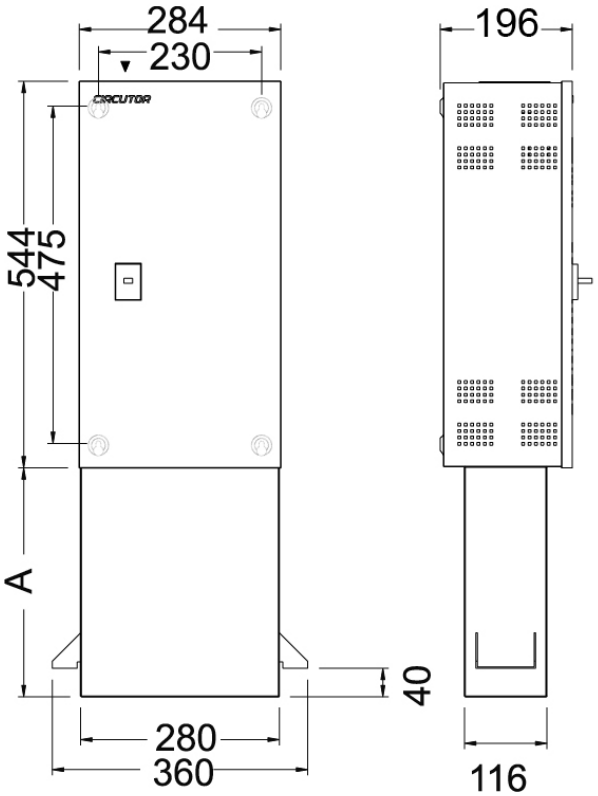
Dimensions



	A
CSB-A-60/CPA-60	270
CSB-A-120/CPA-120	460