

# CSB-A

Three-phase power capacitor with automatic protection



## Description

The **CSB-A** 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.

## Features

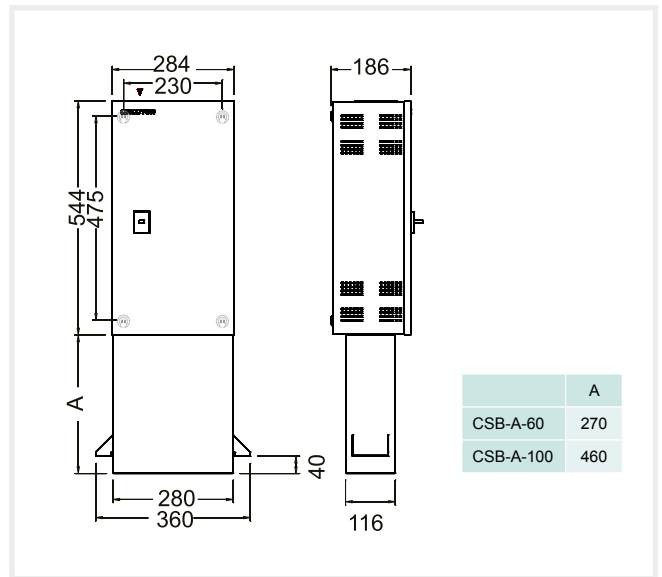
Features		
Operating voltage		230, 400 V (for other voltages, please ask)
Support voltage 400 V		440 V
Capacity tolerance		± 10%
Unit composed of		<b>CS Capacitor</b> General automatic three-pole protection switch
Insulation level		3 / 15 kV
Discharge resistance		75 V / 3 minutes
Overcurrent		1.3 times the rated current permanently
Overvoltage		10 % 8 over 24 hours 15 % up to 15 minutes over 24 hours 20 % up to 5 minutes over 24 hours 30 % up to 1 minute over 24 hours
Frequency		50 or 60 Hz
Losses:	<ul style="list-style-type: none"> <li>• Dielectric</li> <li>• Total</li> </ul>	< 0.2 W / kvar < 0.5 W / kvar
Protections		<ul style="list-style-type: none"> <li>• Dielectric regeneration</li> <li>• Internal fuse</li> <li>• Overpressure system</li> <li>• Vermiculite</li> </ul>
Construction features		
Terminals:	<ul style="list-style-type: none"> <li>• Power rating</li> <li>• Earth</li> </ul>	<ul style="list-style-type: none"> <li>• M6 for <b>CV</b>, M10 for <b>CQ, CSB, CSB-6B, CFB, CFB-6B</b></li> <li>• M6</li> </ul>
Torque value		<ul style="list-style-type: none"> <li>• CV 5 Nm</li> <li>• <b>CQ, CSB, CSB-6B, CFB, CFB-6B</b>: 15 Nm</li> </ul>
Ambient conditions		
Class D temperature:	Daily mean	45 °C
	Annual mean	35 °C
	Maximum	50 °C
	Minimum	-25 °C
Humidity		80 % RH
Altitude		2,000 m
Assembly conditions		
Degree of protection		IP 21
Type of assembly		Vertical
Ventilation		Natural or forced, depending on the option
Colour		RAL 7035: Grey / RAL 3005: Maroon
Standards		
CEI 60831-1, CEI 70/7, UNE 20827, UNE 20010, BS 1650, VDE 560		

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#### Dimensions



#### References

CSB-A 440 V / 50 Hz

kvar		Interrupting power	(A)	Automatic switch	Cable section (mm <sup>2</sup> )	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code
440 V	400 V								
25	21	35 kA	33	63	16	15	360 x 814 x 186	CSB-A- 25 - 440	R2473H
37,5	31	35 kA	49	80	25	11	360 x 814 x 186	CSB-A- 37.5 - 440	R2473G
50	42	35 kA	66	100	25	16	360 x 814 x 186	CSB-A- 50 - 440	R2473J
60	50	35 kA	79	125	35	20	360 x 814 x 186	CSB-A- 60 - 440	R2473K
75	62	35 kA	99	160	50	21	360 x 1004 x 186	CSB-A- 75 - 440	R2473L
100	83	35 kA	131	200	70	26	360 x 1004 x 186	CSB-A- 100 - 440	R2473M
120	100	35 kA	158	250	95	28	360 x 1004 x 186	CSB-A- 120 - 440	R2473N