

## POWER FACTOR CORRECTION FOR SYSTEM INTEGRATION

### SBA Type - Automatically Controlled capacitor modules

**Highly reliable, low loss capacitors  
with self healing properties.**

**Safety protection system built into  
each capacitor element.**

**Modular capacitor tray arrangement.**

**The desired kVAr rating is built up in  
step.**

**The interconnection of trays is  
achievable with minimal wiring  
requirements.**

**Main and control fusing as standard.**

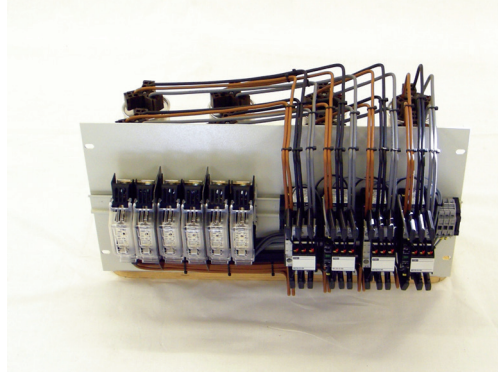
**Capacitor modules can be designed  
specifically to suit the customers  
required dimensions and ratings.**

These automatic modules are designed to fit into existing switchgear, control panels or pre-installed Power Factor Correction units.

Control is provided automatically, via an independent or existing Power Factor control relay.

The equipment incorporates a soft-switching contactor arrangement to minimise system disturbance caused by capacitor switching.

A pre-connection resistor system is integrated within the contactors, which reduces the effect of current inrush to a minimum.



*Automatic controlled capacitor module.*

### Permissible Overloads

For our standard 400 / 415 Volts capacitor products

Rated voltage	300VAC	400VAC	440VAC	480VAC	525VAC
8 hours daily	330VAC	440VAC	484VAC	528VAC	578VAC
30 min daily	345VAC	460VAC	506VAC	552VAC	604VAC
5 min	360VAC	480VAC	528VAC	576VAC	630VAC
1 min	390VAC	520VAC	572VAC	624VAC	683VAC

### Permissible Temperature Range

Ambient -40 to +60°C.

### Losses

Dielectric loss 0.2 Watts per kVAr  
Total capacitor losses 0.5 Watts per kVAr.

### Discharge Devices

Capacitor terminal voltage reduced to 50 Volts within 1 minute (EN 60831).

### Paint Specification

RAL 7035 as standard.

### Rating

SBA Type rated at 415 Volts 3 phase 50 Hertz. Up to 129.6 kVAr per module as standard.

### Standards

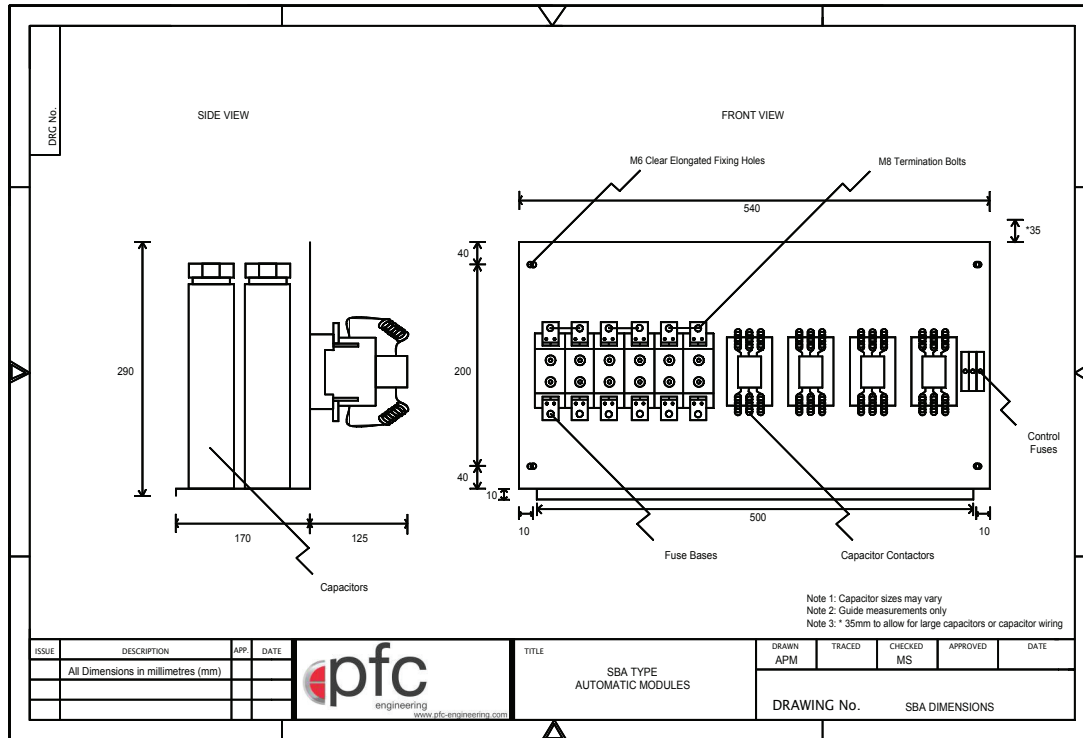
PFC equipment manufactured to:  
EN 61921  
EN 60831-1

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Layout drawing



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