

POWER FACTOR CORRECTION FOR SYSTEM INTEGRATION

SBF Type - Fixed Capacitor Modules
Highly reliable, low loss capacitors
with self healing properties.

Safety protection system incorporated
into each capacitor element.

For switchgear and control panel
manufacturers wishing to install Power
Factor Correction within their own
enclosures.

Desired kVAr rating can be built up in
step sizes dictated by the customer's
own requirements.

Custom built capacitor trays designed
for special applications.

Terminal blocks or flying leads and
fixing holes provided for ease of
installation.

Static Power Factor correction modules
for placement within an existing control
panel, switchgear cubicle or Power Factor
Correction unit.

These modules can be independently
switched, if required, via customers own
control gear.

Fully or partially enclosed Capacitor Modules

These modules are specifically designed
for customers who wish to integrate Power
Factor correction within switchgear or
control cubicles.

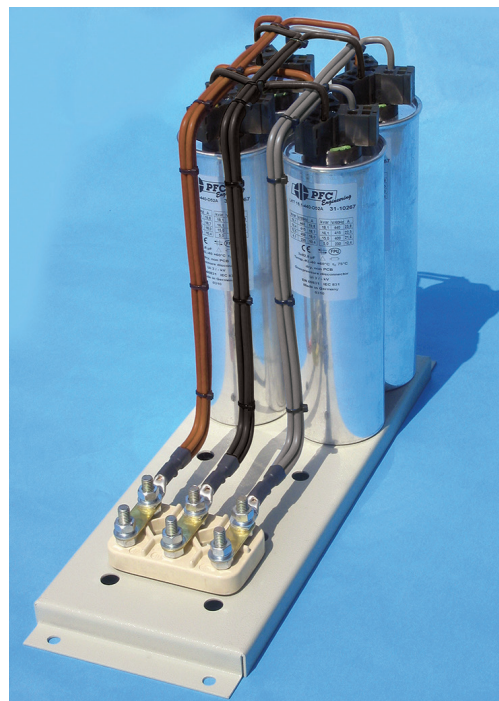
The low losses associated with these
capacitors allow the units to be contained
within their own enclosure. This is applicable
for installations in extreme or dusty
atmospheres.

Construction

The capacitor unit is constructed from the
required number of individual capacitor
elements. These elements are manufactured
from impregnated metallized polypropylene
and have a self-healing capability. Each
element incorporates a fail-safe protection
device and discharge resistors.

Permissible Overloads

Rated voltage [V] 50 Hz	300	400	440	480	525	615
Over-voltage [V]						
8 hours daily	330	440	484	528	578	677
30 min. daily	345	460	506	552	604	707
5 min. daily	360	480	528	576	630	738
1 min. daily	390	520	572	624	683	800



SBF Type - Fixed Capacitor Module

The Energy
Solution
Specialists.

PFC Engineering
Station Road
Great Chesterford
Essex CB10 1NY

t: 01799 530728
f: 01799 530235
e: info@pfc-engineering.com
w: pfc-engineering.com



Permissible Temperature Range

Ambient -40 to $+60^{\circ}\text{C}$.

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 (exceeding EN 60831).

Paint Specification

RAL 7035 as standard.

Rating

SBF Type rated at 415 Volts 3 phase 50 Hertz. Up to 108 kVAr per module as standard.

Standards

PFC equipment manufactured to:

EN 61921

EN 60831-1

EN 60831-2

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