

D.T.F.P. SEMI-AUTOMATIC DETUNED CAPACITOR FUNCTION PLATES

The D.T.F.P range of Semi-Automatic Detuned Function Plates are specifically designed to operate on low voltage systems containing harmonic generating loads, the capacitor elements are rated for 525V operation to ensure exceptional reliability and long trouble free operational life.

Ratings are available up to 200kVar and utilise a number of switching sequences to effectively correct the supply and with the emphasis placed on flexibility, our standard dimensions can be modified to suit individual system builders requirements.

Power Efficient Systems Ltd manufacture equipments to recognised international standards, our independence allows assemblies to be furnished with quality proven components procured from quality assured sources while our collaboration with Vishay one of the worlds larges and quality conscious manufacturers of capacitors and Siemens one of the worlds most respected manufacturers of switchgear allows us to manufacture cost effective energy saving products to a high quality standard ensuring unrivalled performance and reliability

The benefits of the D.T.F.P. range of equipments:

- High quality 525V capacitors with exceptional overload capability to ensure reliability & long life
- Flexibility in manufacture, size and rating
- Quality components used throughout to ensure proven reliability
- Manufactured to recognised international standards
- Modular design to maximise panel area
- Inductors supplied loose to maximise panel area
- Customer connections made directly on to protective device
- Low loss assembly
- Telephone or on site assistance available from experienced field engineers



Standards & Specification

Supply:	415V 3 phase 50Hz (other voltages available on request)
Installation:	3 wire (no neutral required)
Standards:	BSEN60831 (IEC831 & IEC70/70), BSEN60439, BSEN60204
IP Rating:	Enhanced ratings available on request
Operating temperature:	-25oC/group D (others available on request)
Losses:	Capacitors 0.2 watts / kVar Inductors 2.6 watts / kVar @ 50Hz
Inductors:	3 phase low loss iron cored inductors to BSEN60289 (IEC289)
Construction:	14g mild steel fully welded assembly
Finish:	RAL 7035 Textured (others available on request)
Discharge:	Less than 50V one minute after switch off
Cable termination:	M8 direct to protective device, M10 for ratings above 50kvar.



Optional Extras: BS88 fuse protection, IP2X rated assembly, Vertical or Horizontal assemblies available

Service & Maintenance Available

Power Efficient Systems Ltd, 15 Greenhey Place, Skelmersdale Lancashire WN8 9SA

Tel: 01695 559785 Fax: 01695 559826

e-mail: post@pesgrouppltd.co.uk www.powerefficientsystems.co.uk

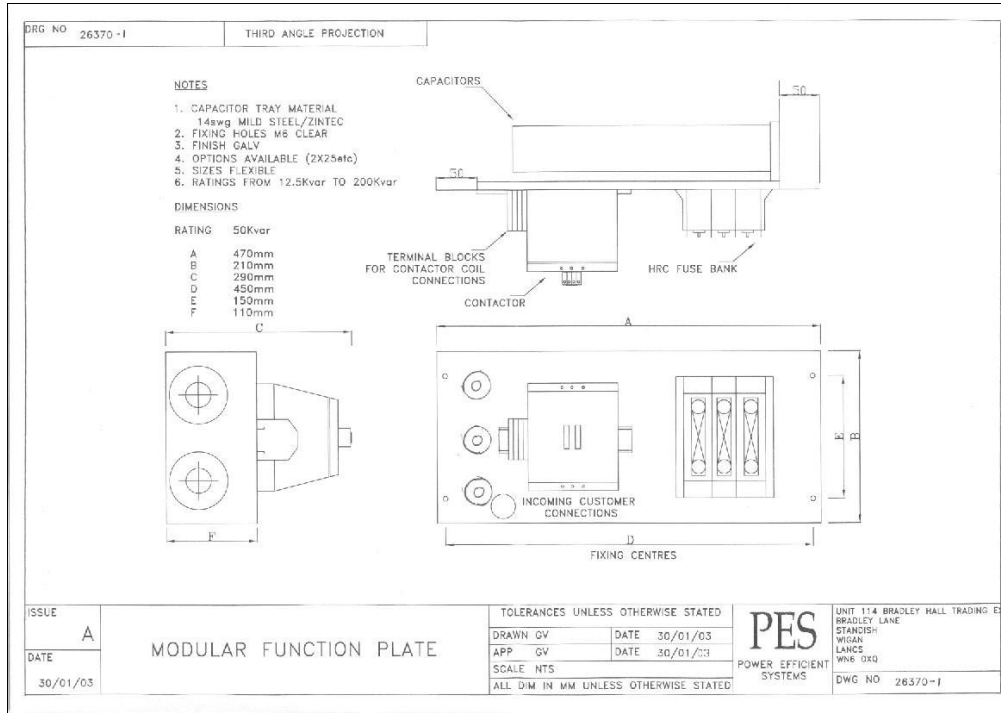
Company registered in England No: 4362110

Vat No: 785 847 856

D.T.F.P.

SEMI-AUTOMATIC DETUNED CAPACITOR FUNCTION PLATES

Note ! Some capacitor manufacturers use capacitors with a dielectric rating of less than 525V in their Detuned Capacitor Assemblies, PES use a minimum of 525V capacitors in their Detuned equipment to prevent premature failure, ensure unrivalled reliability and maximise the purchasers long term investment.



FUNCTION PLATE DIMENSIONS

Rating Iss 2	A	B	C	D	E	F
25kvar 1 stage	470mm	210mm	250mm	560mm	150mm	110mm
50kvar 1 stage	470mm	210mm	395mm	450mm	150mm	210mm

INDUCTOR DIMENSIONS

Rating	Height	Width	Depth
25kvar	315mm	315mm	200mm
50kvar	315mm	315mm	200mm

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