

## FV25 MICROFIX

<b>Product code</b>	IB5AFF250050988
<b>Reactive power Ue=400V</b>	50 kvar
<b>Nominal voltage Ue</b>	400V
<b>Capacitors voltage Un</b>	460 V
<b>Capacitors max voltage Umax</b>	500 V
<b>Frequency</b>	50 Hz
<b>THDI<sub>R</sub>%</b>	100%
<b>I<sub>250Hz</sub>%</b>	≤25%
<b>THDV<sub>R</sub>%</b>	≤6%
<b>Detuning frequency f<sub>D</sub></b>	180 Hz
<b>I<sub>cc</sub></b>	50 kA
<b>IP degree</b>	IP3X
<b>Dimensions WxDxH</b>	550x500x900mm
<b>Weight</b>	41 kg

NOTE I<sub>cc</sub> value: Other values upon request. Short-circuit withstand current conditioned by the upstream protective device.

### Standard features

<b>Max current overload I<sub>n</sub></b>	1.3 I <sub>n</sub> 1,3 I <sub>n</sub> (continuous) 2 I <sub>n</sub> (x500s every 60 minutes) 3 I <sub>n</sub> (x180s every 60 minutes) 4 I <sub>n</sub> (x90s every 60 minutes) 5 I <sub>n</sub> (x50s every 60 minutes)
<b>Max current overload I<sub>n</sub> (capacitors)</b>	
<b>Max overload V<sub>n</sub></b>	1,1xU <sub>e</sub>
<b>Max overload V<sub>n</sub> (capacitors)</b>	3xUn (for 1 minute)
<b>Insulation voltage</b>	690V
<b>Temperature class</b>	-5/+40°C
<b>Temperature class (capacitors)</b>	-25/+70°C
<b>Discharge device</b>	mounted on each bank
<b>Installation</b>	indoor
<b>Service</b>	continuous
<b>Internal connection</b>	delta
<b>Total losses</b>	~ 6W/kvar
<b>Inner surface finish</b>	zinc passivation
<b>Standards (bank)</b>	IEC 61439-1/2, IEC 61921
<b>Standards (capacitors)</b>	IEC 60831-1/2

## Generalities

Zink-passivated metallic enclosure painted with epossidic dust paint, colour RAL 7035.

Load-break switch with door interlock.

Fuses with high breaking power NH00-gG.

FS17 450/750V self-extinguish cable according to EN 50525 - EN 50575 - EN 50575/A1.

IP3X protection degree.

CRM25 single phase self-healing metallized polypropylene capacitor with increased thickness and  $U_n=460V$  rated voltage.

Discharge resistance.

Signal lamp power on.

Three phase detuning choke with tuning frequency  $f_D=180Hz$  ( $N=3.6$ - $p\%=7.7\%$ ).

POWER FACTOR CORRECTION SOLUTIONS WITH HIGH GRADIENT METALLIZED POLYPROPYLENE PLUS CAPACITORS

