

FV25 MULTIMATIC

Product code	IN5VFF380050701
Reactive power Ue=400V	800 kvar
Nominal voltage Ue	400V
Capacitors voltage Un	460 V
Capacitors max voltage Umax	500 V
Frequency	50 Hz
THDI_R%	100%
I_{250Hz}%	≤25%
THDV_R%	≤6%
Detuning frequency f_D	180 Hz
Steps	2x50-100-3x200 kvar
Electrical steps number	16
Banks	16x50 kvar
Load break switch	3x800 A
I_{cc}	50 kA
Controller	8BGA
IP degree	IP4X
Dimensions WxDxH	1830x670x2360mm
Weight	1495 kg

NOTE I_{cc} value: Other values upon request.

Standard features

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

Generalities

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

Auxiliary transformer to separate power and auxiliary circuit parts (110V).

Load-break switch with door interlock.

Contactors for capacitive loads.

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

Microprocessor Power Factor Correction relay.

Control and protection multimeter MCP5, integrated in 8BGA controller.

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

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

