

FV35 MULTIMATIC

Product code	IN5LFF310050702
Reactive power Ue=400V	100 kvar
Nominal voltage Ue	400V
Capacitors voltage Un	550 V
Capacitors max voltage Umax	600 V
Frequency	50 Hz
THDI _R %	100%
I _{250Hz} %	>25%
THDV _R %	≤6%
Detuning frequency f _D	135 Hz
Steps	20-2x40 kvar
Electrical steps number	5
Banks	20-2x40 kvar
Load break switch	250 A
lee	17 kA
Controller	8BGA
IP degree	IP4X
Dimensions WxDxH	610x670x1760mm
Weight	315 kg

NOTE Icc value: Other values upon request.

Standard features

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Max current overload In	1.3 ln
Max current overload In (capacitors)	1,3 In (continuous) 2 In (x500s every 60 minutes) 3 In (x180s every 60 minutes) 4 In (x90s every 60 minutes) 5 In (x50s every 60 minutes)
Max overload Vn	1,1xUe
Max overload Vn (capacitors)	3xUn (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	~ 8W/kvar
Inner surface finish	zinc passivation
Standards (bank)	IEC 61439-1/2, IEC 61921
Standards (capacitors)	IEC 60831-1/2



POWER FACTOR CORRECTION SOLUTIONS WITH HIGH GRADIENT METALLIZED POLYPROPYLENE PLUS CAPACITORS



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.

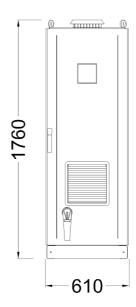
CRM25 single phase self-healing metallized polypropylene capacitor with increased thickness and Un=550V rated voltage.

Three phase detuning choke with tuning frequency fD=135Hz (N=2.7-p%=13.7%).

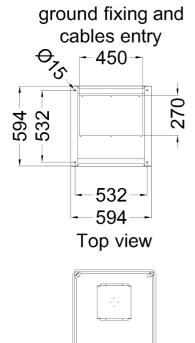












Bottom view