

## FV35 MULTImatic



**Part num.:** IN5LFF310050702  
**Power (kvar) Ue=400V:** 100  
**Steps (kvar) Ue=400V:** 20-2x40  
**Electrical steps nr.:** 5  
**Disconnecter (A):** 250  
**Icc (KA):** 17  
**PFC Controller:** 8BGA  
**Weight (kg):** 315  
**Dimensions (mm):** WxDxH 610x670x1760 (IP4X)

Ue	Un	Umax	f	THDIR%	I250Hz%	THDVR%
400V	460V	500V	50 Hz	100%	>25%	≤6%

### Generalities

Zinc-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 - EN50575/A1 standards.  
Microprocessor Power Factor Correction relay.  
Control and protection multimeter MCP5, integrated in 8BGA controller.  
CRM25 single phase self-healing metallized polypropylene with increased thickness and Un=460V rated voltage.  
Three phase detuning choke with tuning frequency 135Hz (N=2.7 or p=13.7%).

### Keys:

Ue: rated operational voltage  
Un: nominal voltage of the capacitor  
Umax: maximum operating voltage  
THDIR%: total harmonic distortion relatively to the current in the plant  
THDC%: total harmonic distortion that capacitor withstands  
THDVR%: total harmonic distortion relatively to the voltage in the plant  
I250HZ%: percent current of 5th harmonic  
Electrical steps nr.: represents the number of possible combinations of the steps

### Technical Info

Rated operational voltage: Ue=400V  
Rated frequency: 50Hz  
Max current overload In (bank): 1.3xIn  
Max current overload In (capacitors): 1.3xIn (continuous)  
Max current overload In (capacitors): 2xIn (x 500s every 60 min)  
Max current overload In (capacitors): 3xIn (x 180s every 60 min)  
Max current overload In (capacitors): 4xIn (x 90s every 60 min)  
Max current overload In (capacitors): 5xIn (x 50s every 60 min)  
Max overload Vn (bank): 1.1xUe  
Max overload Vn (capacitors): 3xUn (x 1 min.)  
Insulation voltage: 690V  
Temperature class (bank): -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

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