

FV35 MULTImatic



Part num.: IN5ZFF348050702
Power (kvar) Ue=400V: 480
Steps (kvar) Ue=400V: 2x70-3x80-160
Electrical steps nr.: 12
Disconnecter (A): 2x800
Icc (KA): 25
PFC Controller: 8BGA
Weight (kg): 1040
Dimensions (mm): WxDxH 1220x670x2360 (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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