

FH30-60HZ MULTIMATIC

Product code (Ue=400V)	IN7JFF314660702
Reactive power Ue=400V	146 kvar
Nominal voltage Ue	400V
Capacitors voltage Un	550 V
Capacitors max voltage Umax	600 V
Frequency	60 Hz
THDI_R%	100%
I_{250Hz}%	>25%
THDV_R%	≤6%
Detuning frequency f_D	162 Hz
Steps Ue=400V	16-2x33-65 kvar
Electrical steps number	9
Banks	33-49-65 kvar
Load break switch	400 A
I_{cc}	25 kA
Controller	8BGA
IP degree	IP4X
Dimensions WxDxH	610x670x1760mm
Weight	300 kg

Standard features

Max current overload I_n (bank)	1.3 I _n
Max current overload I_n (capacitors)	1,3 I _n (continuous)
Max overload V_n (bank)	1,1xU _e
Max overload V_n (capacitors)	3xU _n (for 1 minute)
Insulation voltage	690V
Temperature class (bank)	-5/+40°C
Temperature class (capacitors)	-25/+55°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

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 $U_n=550V-50Hz$ (480V-60Hz) rated voltage.

Three phase detuning choke with tuning frequency $f_D=216Hz$ ($N=2.7-p\%=13.7\%$).

