



## FH20-60HZ-230V MULTIMATIC

Product code	IN7ABB355060701
Reactive power Ue=230V	550 kvar
Nominal voltage Ue	230V
Capacitors voltage Un	415 V
Capacitors max voltage Umax	455 V
Frequency	60 Hz
THDI <sub>R</sub> %	100%
I <sub>250Hz</sub> %	≤25%
THDV <sub>R</sub> %	≤6%
Detuning frequency f <sub>D</sub>	216 Hz
Steps	50-5x100 kvar
Electrical steps number	11
Banks	11x50 kvar
Load break switch	2x1250 A
lee	50 kA
Controller	8BGA
IP degree	IP4X
Dimensions WxDxH	1220x670x2360mm
Weight	980 kg

NOTE Icc value: Other values upon request.

## Standard features

Max current overload In	1.3 ln
Max current overload In (capacitors)	1,3 In (continuous)
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/+55°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



## POWER FACTOR CORRECTION SOLUTIONS WITH HIGH GRADIENT METALLIZED POLYPROPYLENE 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.

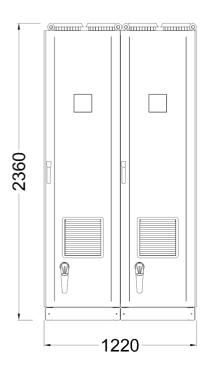
Control and protection multimeter MCP5, integrated in 8BGA controller.

CRM25 single phase self-healing metallized polypropylene capacitor with Un=415V-50Hz (315V-60Hz) rated voltage.

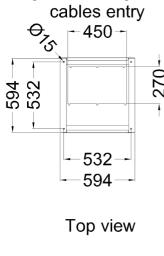
Three phase detuning choke with tuning frequency fD=216Hz (N=3.6-p%=7.7%).











Bottom view ground fixing and