



## **FH20.S MULTIMATIC IP55**

Product code	IV7AFF364050786
Reactive power Ue=400V	640 kvar
Reactive power Ue=415V	685 kvar
Nominal voltage Ue	400-415V
Capacitors voltage Un	550 V
Capacitors max voltage Umax	600 V
Frequency	50 Hz
THDI <sub>R</sub> %	100%
I <sub>250Hz</sub> %	≤25%
THDV <sub>R</sub> %	≤6%
Detuning frequency f <sub>D</sub>	180 Hz
Steps	2x80-3x160 kvar
Electrical steps number	8
Banks	8x80 kvar
Load break switch	2x800 A
Icc	50 kA
Controller	8BGA
IP degree	IP55
Dimensions WxDxH	1432x777x1960mm
Weight	920 kg

This image is indicative only.

NOTE lcc value: Other values upon request.

## Standard features

Standard reatures	
Max current overload In	1.3 ln
Max current overload In (capacitors)	1,3 In (continuous) 2 In (x380s every 60 minutes) 3 In (x150s every 60 minutes) 4 In (x70s every 60 minutes) 5 In (x45s 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/+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.

Thyristor switches (SCR).

Total switching time 60 milliseconds.

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 (MIDImatic and MULTImatic version).

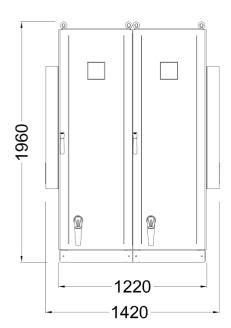
CRM25 single phase self-healing metallized polypropylene capacitor with Un=550V rated voltage.

Three phase detuning choke with tuning frequency fD=180Hz (N=3.6-p%=7.7%).

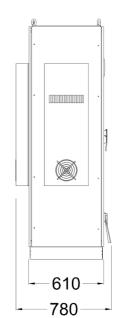




Min. distance from the wall: 250mm



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Bottom view ground fixing and cables entry

