



FH30 MULTIMATIC

Product code IN7JFF388050702 Reactive power Ue=400V 880 kvar Reactive power Ue=415V 942 kvar Nominal voltage Ue 400-415V Capacitors voltage Un 550 V Capacitors max voltage Umax 600 V Frequency 50 Hz THDI _R % 100% I₂50Hz% ≥25% THDV _R % ≤6% Detuning frequency f _D 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm Weight 1040 kg		
Reactive power Ue=415V 942 kvar Nominal voltage Ue 400-415V Capacitors voltage Un 550 V Capacitors max voltage Umax 600 V Frequency 50 Hz THDI _R % 100% I₂50Hz% >25% THDV _R % ≤6% Detuning frequency f _D 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Product code	IN7JFF388050702
Nominal voltage Ue 400-415V Capacitors voltage Umax 550 V Capacitors max voltage Umax 600 V Frequency 50 Hz THDI _R % 100% I₂50Hz% >25% THDV _R % ≤6% Detuning frequency f₀ 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Reactive power Ue=400V	880 kvar
Capacitors voltage Un 550 V Capacitors max voltage Umax 600 V Frequency 50 Hz THDI _R % 100% I _{250Hz} % >25% THDV _R % ≤6% Detuning frequency f _D 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Reactive power Ue=415V	942 kvar
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THDIR%100%I250Hz%>25%THDVR%≤6%Detuning frequency f_D 135 HzSteps80-5x160 kvarElectrical steps number11Banks11x80 kvarLoad break switch2x1250 AIcc50 kAController8BGAIP degreeIP4XDimensions WxDxH1220x670x2360mm	Capacitors max voltage Umax	600 V
I₂50H₂% >25% THDVR% ≤6% Detuning frequency f₀ 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Frequency	50 Hz
THDV _R % ≤6% Detuning frequency f _D 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	THDI _R %	100%
Detuning frequency f _D 135 Hz Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	I _{250Hz} %	>25%
Steps 80-5x160 kvar Electrical steps number 11 Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	THDV _R %	≤6%
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Banks 11x80 kvar Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Steps	80-5x160 kvar
Load break switch 2x1250 A Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Electrical steps number	11
Icc 50 kA Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Banks	11x80 kvar
Controller 8BGA IP degree IP4X Dimensions WxDxH 1220x670x2360mm	Load break switch	2x1250 A
IP degree IP4X Dimensions WxDxH 1220x670x2360mm	lcc	50 kA
Dimensions WxDxH 1220x670x2360mm	Controller	8BGA
	IP degree	IP4X
Weight 1040 kg	Dimensions WxDxH	1220x670x2360mm
	Weight	1040 kg



This image is indicative only.

NOTE Icc value: Other values upon request.

Standard features

1.3 ln
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)
1,1xUe
3xUn (for 1 minute)
690V
-5/+40°C
-25/+55°C
mounted on each bank
indoor
continuous
delta
~ 8W/kvar
zinc passivation
IEC 61439-1/2, IEC 61921
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.

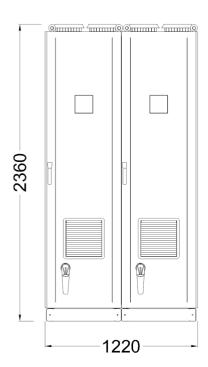
Control and protection multimeter MCP5, integrated in 8BGA controller (MULTImatic version).

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

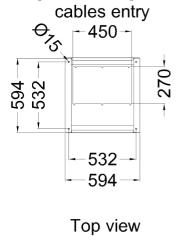
Three phase detuning choke with tuning frequency fD=135Hz (N=2.7-p%=13.7%).











Bottom view ground fixing and

