

This image is indicative only.

FH30 MULTIMATIC IP55

Product code	IP7JFF364050702	
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 _R %	100%	
I _{250Hz} %	>25%	
THDV _R %	< <u>6%</u>	
Detuning frequency f _D	135 Hz	
Steps	2x80-3x160 kvar	
Electrical steps number	8	
Banks	8x80 kvar	
Load break switch	2x800 A	
lcc	50 KA	
Controller	8BGA	
IP degree	IP55	
Dimensions WxDxH	1432x777x1960mm	
Weight	860 kg	
NOTE las values Other values upon request		

NOTE lcc value: Other values upon request.

Standard features

Max current overload In (capacitors)1,3 In (continuous) 2 In (x380s every 60 minutes) 3 In (x150s every 60 minutes) 3 In (x150s every 60 minutes) 5 In (x45s every 60 minutes) 5 In (x45s every 60 minutes)Max overload Vn1,1xUeMax overload Vn (capacitors)3kUn (for 1 minute)Insulation voltage690VTemperature class-5/+40°CTemperature class (capacitors)25/+55°CDischarge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses~ 8W/kvarInner surface finishinc passivationStandards (bank)IEC 61439-1/2, IEC 61921	Max current overload In	1.3 ln
Max overload Vn (capacitors)SkillMax overload Vn (capacitors)Skill (for 1 minute)Insulation voltage690VTemperature class-5/+40°CTemperature class (capacitors)-25/+55°CDischarge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses- 8W/kvarInner surface finishzinc passivationStandards (bank)EC 61439-1/2, IEC 61921	Max current overload In (capacitors)	2 In (x380s every 60 minutes) 3 In (x150s every 60 minutes) 4 In (x70s every 60 minutes)
Insulation voltage690VTemperature class-5/+40°CTemperature class (capacitors)-25/+55°CDischarge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses-8W/kvarInner surface finishzinc passivationStandards (bank)IEC 61439-1/2, IEC 61921	Max overload Vn	1,1xUe
Temperature class-5/+40°CTemperature class (capacitors)-25/+55°CDischarge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses-8W/kvarInner surface finishzinc passivationStandards (bank)IC 61439-1/2, IEC 61921	Max overload Vn (capacitors)	3xUn (for 1 minute)
Temperature class (capacitors)-25/+55°CDischarge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses~ 8W/kvarInner surface finishzinc passivationStandards (bank)IC 61439-1/2, IEC 61921	Insulation voltage	690V
Discharge devicemounted on each bankInstallationindoorServicecontinuousInternal connectiondeltaTotal losses~ 8W/kvarInner surface finishzinc passivationStandards (bank)IE 61439-1/2, IEC 61921	Temperature class	-5/+40°C
InstallationindoorServicecontinuousInternal connectiondeltaTotal losses~ 8W/kvarInner surface finishzinc passivationStandards (bank)IEC 61439-1/2, IEC 61921	Temperature class (capacitors)	-25/+55°C
Service continuous Internal connection delta Total losses ~ 8W/kvar Inner surface finish zinc passivation Standards (bank) IEC 61439-1/2, IEC 61921	Discharge device	mounted on each bank
Internal connection delta Total losses ~ 8W/kvar Inner surface finish zinc passivation Standards (bank) IEC 61439-1/2, IEC 61921	Installation	indoor
Total losses ~ 8W/kvar Inner surface finish zinc passivation Standards (bank) IEC 61439-1/2, IEC 61921	Service	continuous
Inner surface finish zinc passivation Standards (bank) IEC 61439-1/2, IEC 61921	Internal connection	delta
Standards (bank) IEC 61439-1/2, IEC 61921	Total losses	~ 8W/kvar
	Inner surface finish	zinc passivation
Standards (capacitors) IEC 60831-1/2	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 (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%).



