



WMS series - Wall mount power factor systems (automatic)

400/440V

dimensions (mm)

For applications with varying capacitor requirements. An automatic reactive controller monitors the network and only switches capacitor banks when required, avoiding potential over or under compensation in a network.

WMS series wall mount power factor systems (37 - 150 kvar - 400V)

Complete ready-to-install system comprising following

- Reverse-flow fan ventilated wall mount enclosure, bottom cable entry (top entry on request)
- Mains isolator, door interlocking (with early make / late break auxiliary)
- Heavy duty three phase capacitors (with internal discharge resistors)
- Reactive control relay DCRL 5 (digital display of all important electrical network parameters)
- "Special" capacitor switching contactors incorporating limiting resistors
- HRC fuse protection (per capacitor bank)

type	kvar at:		steps (kvar) at 415V			Expands	dimensions (mm)			
	415V	440V	12.5	25	50	to (kvar)	(H)	(W)	(D)	
WM series - Wall mount complete power factor systems (440V capacitors)										
WMS03704	37.5	45	1	1	_	87.5	700	600	300	
WMS05004	50	60	2	1	_	87.5	700	600	300	
WMS06204	62.5	75	1	2	_	87.5	700	600	300	
WMS07504	75	90	2	2	_	87.5	700	600	300	
WMS08704	87.5	105	1	3	_	_	700	600	300	
WMS10004	100	120	2	1	1	150	700	900	300	
WMS11204	112.5	135	1	2	1	150	700	900	300	
WMS12504	125	150	2	2	1	150	700	900	300	
WMS13704	137.5	165	1	1	2	150	700	900	300	
WMS15004	150	180	-	2	2	-	700	900	300	



De-tuned anti-harmonic reactors 400V, 50Hz

kvar at:

De-tuned reactors protect capacitors against harmonics, avoiding parallel resonance and amplification of harmonics flowing within the network.

· Insulation: F class insulation, 155°C

· Internal protection: Thermal cutout (125°C) incorporated (on centre phase)

· Reference standards: IEC/EN 60076-6, 61558-2-20



type	itvai at.		%	description	diriciolorio (mm)		
type	400V	440V	/0	description	(H)	(W)	(D)
			_				
7% - 189 Hz De-tuned reactors for networks with 5th and 7th Harmonics					ics		
HFRA1207	12.5	15	7%	anti-harmonic reactors	215	210	120
HFRA2507	25	30	7%	anti-harmonic reactors	190	240	170
HFRA5007	50	60	7%	anti-harmonic reactors	240	300	180
14% - 134 Hz De-tuned reactors for networks with a high levels of 3rd Harmonics						cs	
HFRA1314	13.5	16	14%	anti-harmonic reactors	280	240	150
HFRA2714	27	32	14%	anti-harmonic reactors	250	330	220
HFRA5414	54	64	14%	anti-harmonic reactors	270	340	220



EXP1011



Remote monitoring of FM series systems

For remote monitoring and control of all electrical network parameters including harmonics, panel internal temperature, alarms, events and all setup parameters.

Communication modules simply plug-in to the controller and are automatically configured to offer various communication protocols.

EXP1011	opto-isolated	RS232 plug-in communication	expansion module
EXP1012	opto-isolated	RS485 plug-in communication	expansion module
EXP1013	opto-isolated	ETHERNET with web server function	expansion module
EXP1014	opto-isolated	Profibus-DP plug-in communication	expansion module

Plug-in GPRS/GSM modem automatically configures to the controller when mounted and once a data-enabled SIM card is installed the controller can send alarm or event SMS's or e-mails.

EXP1015 plug-in GPRS/GSM Modem for remote monitoring expansion module CX03 GSM/GPRS penta-band antenna (850/900/1800/1900/2100MHz) for above

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