

Automatic capacitor banks

B25 series

Automatic capacitor banks
Serie B25 THDI ≤ 25%



Technical characteristics

Rated voltage:

400Vac

Rated frequency:

50Hz (60Hz on request)

Voltage of auxiliary circuits:

110Vac

Working temperature range:

-10°C/+50°C

Cubicle:

20/10mm sheet steel, protected against corrosion by a phosphating treatment.

Epoxy powder painted, RAL 7035 color (other colors on request)

External Protection Degree:

IP30 (type S-M), IP40 (Type L)

Locking system:

by screw for cubicle type S and type M type

by key for cubicle type L

Ventilation:

Forced

Isolating switch:

Three-pole with door interlocking device

Supplying:

Type S: entry of the cable from the top/bottom

Type M: entry of the cable from the top

Type L: entry of the cable from the bottom

Wiring:

By N07VK CEI 20-22 flame retardant cables.

Auxiliary circuits are identified as in the electrical drawing

Contactors:

Each capacitor banks is controlled by a three-pole contactor. To limit the overcurrent peaks, each contactor is provided with insertion resistors. Rated voltage of auxiliary circuits: 110 Vac, 50 Hz .

Fuses:

Each capacitor banks is protected by a set of three fuses (NH00 type) with high breaking capacity. Also the auxiliary circuits are protected by fuses.

Capacitors B25 440 Vac Series

Single phase of type self-healing, made up of metalized polypropylene, equipped with overpressure safety device and discharge resistor. Filling: biodegradable non toxic dry type, PCB free. Manufactured using new technologies of metallization.

Delta connection.

Capacitance tolerance: -5% +10%

Dielectric losses: <0.3W/kvar

Temperature class: -25°C (55°C)

Regulators:

Varmetric measurement by means of a C.T. (Current Transformer)(secondary 5A) not supplied

Reference Standards:

Complying with: L.V. 73/23 (93/68) EEC Directive

Capacitors: CEI EN 60831-1/2

Equipments: CEI EN 60439-1, CEI EN 61921-1

Options (on request):

Automatic switch

Isolator with fuses

Protection degree : IP55

Type M: entry of the cable from bottom

Type L: entry of the cable from the top

Network: 400Vac 50Hz THDi ≤10%

Resonance non allowed

Capacitors: 440Vac 50Hz, THDi ≤25%



Type WxDxH mm	Power kVAR at 400V	Power of banks kVAR	Steps No	Isolating switch A	Regulator	Current A	Weight kg	Power kVAR at 415V
B25PFSR-13 460x215x480	13	1,875-3,75-7,5	7	63	RAUNI96	18	12	14
B25PFSR-18.5 460x215x480	18,5	3,75-7,5-7,5	5	63	RAUNI96	26	13	20
B25PFSR-20.6 610x215x480	20,6	1,875-3,75-7,5-7,5	11	80	RAUNI96	30	16	22
B25PFSR-26 460x215x480	26	3,75-7,5-15	7	63	RAUNI96	37	14	28
B25PFSR-30 460x215x480	30	7,5-7,5-15	4	63	RAUNI96	43	15	32
B25PFSR-35 610x215x480	35	1,875-3,75-7,5-7,5-15	19	100	RAUNI96	50	22	37,5
B25PFSR-37.5 460x215x480	37,5	7,5-15-15	5	100	RAUNI96	54	16	40
B25PFSR-45 610x215x480	45	7,5-7,5-15-15	6	100	RAUNI96	65	23	48
B25PFSR-52.5 610x215x480	52,5	7,5-15-15-15	7	125	RAUNI96	76	24	56,5
B25PFSR-60 610x215x480	60	7,5-7,5-15-30	8	160	RAUNI96	86	27	65
B25PFSR-67.5 610x215x480	67,5	7,5-15-15-30	9	160	RAUNI96	97	29	72,5
B25PFMR-75 420x380x700	75	7,5-15-22,5-30	10	250	RAUNI96	108	41	80
B25PFMR-105 420x380x920	105	7,5-15-22,5-30-30	14	250	RAUNI96	151	47	112
B25PFMR-127.5 420x380x920	127,5	7,5-15-22,5-30-52,5	17	400	RAUNI96	184	51	138
B25PFMR-150 420x380x920	150	15-30-45-60	10	400	RAUNI96	216	54	162
B25PFMR-180 420x380x1140	180	15-30-60-75	12	400	RAUNI96	259	60	194
B25PFMR-195 420x380x1140	195	15-30-60-90	13	500	RAUNI96	281	65	210
B25PFMR-225 420x380x1140	225	15-30-60-120	15	500	RAUNI96	324	69	242
B25PFLR-255 610x610x1760	255	15-30-30-60-60-60	17	630	RAUNI144	367	260	275
B25PFLR-300 610x610x1760	300	30-30-60-60-60-60	10	800	RAUNI144	432	270	322
B25PFLR-375 610x610x1760	375	37,5-37,5-75-75-75-75	10	800	RAUNI144	540	280	404
B25PFLR-450 610x610x1760	450	45-45-90-90-90-90	10	1000	RAUNI144	648	300	484
B25PFLR-525 610x610x1960	525	52,5-52,5-105-105-105-105	10	1250	RAUNI144	756	340	565
B25PFLR-600 1220x610x1760	600	60-60-120-120-120-120	10	2x800	RAUNI144	864	560	646
B25PFLR-675 1220x610x1760	675	67,5-67,5-135-135-135-135	10	2x800	RAUNI144	972	640	726
B25PFLR-750 1220x610x1760	750	75-75-150-150-150-150	10	2x1250	RAUNI144	1080	660	807
B25PFLR-825 1220x610x1760	825	82,5-82,5-165-165-165-165	10	2x1250	RAUNI144	1188	700	888
B25PFLR-900 1220x610x1760	900	90-90-180-180-180-180	10	2x1250	RAUNI144	1296	720	968
B25PFLR-975 1220x610x1960	975	97,5-97,5-195-195-195-195	10	2x1250	RAUNI144	1404	760	1049
B25PFLR-1050 1220x610x1960	1050	105-105-210-210-210-210	10	2x1250	RAUNI144	1512	800	1130

Automatic capacitor banks
Serie B25 THDi ≤ 25%