



CTB capacitors, available in three terminations, are the ideal solution to compensate for small loads. When assembled on racks, they can be used in automatic P.F.C. equipment. They are equipped with an **overpressure safety device**.

PERFORMANCE DATA

- Capacitance tolerance -5% / +10%.
- Rated frequency 50 Hz (60 Hz on request)
- Supply Three-phase
- Max. allowable voltage 1,1 Un (max. 8 /24 h)
- Safety device Overpressure disconnecter
- Expected life 130,000 hours

HARMONIC CONTENT (in absence of resonance)

THD(I)max. = 10% on the network

TECHNICAL DATA

Dielectric	Self-healing metallised polypropylene (MKP).
Case	Aluminium.
Execution	Resin (dry type).
Fastening	M12 threaded bolt for ground fixing. Nut and washer included.
Degree of protection	IP 40 (with cover for the version $\text{Ø} 70 \div 85 \text{ mm}$). IP 20 (with clamp for the version $\text{Ø} \geq 100 \text{ mm}$).
Test voltage	2,15 Un / 10 seconds between terminals. 3000 Vac / 10 seconds between terminal and case.
Dielectric losses	$\leq 0,2 \text{ W / kvar}$.
Total losses of the capacitor	$\leq 0,4 \text{ W / kvar}$.
Discharge resistors	Included (75V residues within 3 minutes). For $\text{Ø} \leq 70 \text{ mm}$, located internally..
Max. voltage / time variation	$< 25\text{V} / \mu\text{s}$
Temperature class category	-25°C / C (on request: -25 ° C / D).
Ambient temperature	Max value: +50°C. Average daily: +40°C Average yearly: +30°C
Type of service	Continuous.

TERMINATIONS

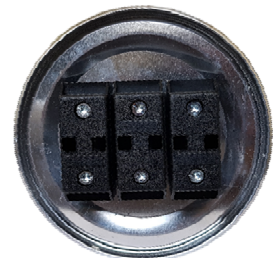
faston 6,3



threaded screw M8



clamp



QUALITY AND TESTING

Regulations	IEC EN 60831-1 : 2015. IEC EN 60831-2 : 2015.
European directives	Low voltage: 2014/35/CE.

CONFIGURATIONS

Notes

- In order to make capacitor banks, it is necessary to use suitable discharge resistors and current peak limiting systems upon insertion, compatibly with the characteristics of the capacitors (25 A / μ F).

Table

THD(I)max. = 10% on the network

Code	Capacitance μ F	50 Hz			Terminals	Dimensions D x H	Code
		kVAr	V	A			
8302475	3 x 31	5	415	7	faston 6,3	resina	70 x 200
8302481	3 x 47	7,5	415	10,4	faston 6,3	resina	70 x 200
8302579	3 x 62	10	415	14	M8	resina	85 x 200
8302588	3 x 77	12,5	415	17,4	M8	resina	85 x 200
8302599	3 x 92	15	415	20,9	M8	resina	85 x 295
8302600	3 x 123	20	415	27,8	M8	resina	85 x 295
8302622	3 x 154	25	415	34,8	morsetto	resina	100 x 285
8304811	3 x 55	10	440	13,1	M8	resina	85 x 200
8304813	3 x 66	12,5	440	16,4	M8	resina	85 x 200
8304804	3 x 109	20	440	26,2	morsetto	resina	100 x 350
83048085	3 x 137	25	440	32,8	morsetto	resina	100 x 350
8304838	3 x 164	30	440	39,4	morsetto	resina	120 x 350
8304852	3 x 219	40	440	52,5	morsetto	resina	136 x 350
8304854	3 x 274	50	440	65,6	morsetto	resina	136 x 350
8306790	3 x 69	15	480	18	M8	resina	85 x 295
8306799	3 x 115	25	480	30	morsetto	resina	120 x 225
83068075	3 x 154	33,4	480	40,2	morsetto	resina	136 x 230
83068115	3 x 38	10	525	11	M8	resina	85 x 200
8307031	3 x 48	12,5	525	13,7	M8	resina	85 x 200
8307032	3 x 57,8	15	525	16,5	M8	resina	85 x 295
8306819	3 x 77	20	525	22	morsetto	resina	100 x 350
8306827	3 x 96	25	525	27,5	morsetto	resina	120 x 350
8306832	3 x 115	30	525	33	morsetto	resina	120 x 350
8306840	3 x 154	40	525	44	morsetto	resina	136 x 350
8306910	3 x 67	10	690	8,4	morsetto	resina	100 x 285
8306900	3 x 83	12,5	690	10,5	morsetto	resina	100 x 285
8306920	3 x 133	20	690	16,7	morsetto	resina	100 x 285
8306925	3 x 167	25	690	20,9	morsetto	resina	120 x 350

Other solutions are available upon request.