CT15 - 50

Three-Phase Capacitors for Power Factor Correction



The three-phase modular capacitors of the **CT** series are designed for fixed low-voltage power factor correction. The construction of the capacitors is designed to guarantee optimum thermal dissipation. Three single-phase MKAS units are assembled inside, each equipped with an anti-explosion device.

PERFORMANCE DATA

Rated voltage (Un)	415V
Tolerance on capacitance	-5% / +10
Rated frequency	50 Hz
Power supply	Three-phase
Voltage overload	1.1 Un (max. 8 hrs. per 24)
Expected life	80,000 / 130,000 hours

HARMONIC CONTENT
RESONANCE NOT ADMITTED

CT15:	THD(I)max. = 15%.	in the grid
CT50:	THD(I)max. = 35 %	in the grid

TECHNICAL DATA

Capacitors

Single-phase capacitors made of self-healing (SH) metallised polypropylene (MKP)
Over pressure safety device
PCB-free vegetable oil impregnation
Continuous service
Current overload: 1.3 x In
Dissipation losses: ≤0.4 W/kvar
: -25 / D
Discharge resistor (75V within 3')
Delta connection.
Overvoltage: 1.1 x Un (8h / 24h)
Capacitance tollerance: -5% / +10%
Temperature category: -25 / D

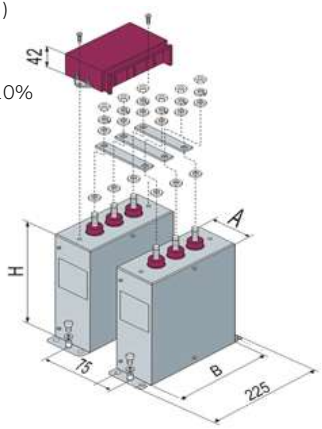
• tensione nominale / tensione max.:
B15: 415 Vac / 450 Vac || **B50:** 500 Vac / 550 Vac

Case Zinc coated steel sheet with floor fixing holes

Cable terminals M8 threaded screw (nut and washers included); max. tightening torque: 7Nm

Degree of protection IP 40 with cover.

Test voltage 2.15 Un / 10 seconds between terminal and terminal.
3000 Vac / 10 seconds between terminals and housing.



STANDARD CONFIGURATIONS

Code	Type	capacitance	rated Parameters			Parameters at 440V		Terminals	Weight
		µF	kvar	V	A	kvar	A	Screw	kg
8371103	CT15	3 x 21	3,4	415	4,7			M8	2,4
8371106	CT15	3 x 38,5	6,25	415	8,7			M8	2,8
8371112	CT15	3 x 77	12,5	415	17,4			M8	3,3
8371122	CT15	3x124	20	415	27,8			M8	3,8
8373505	CT50	3 x 21	3,4	415	4,7	3,8	5	M8	2,4
8373510	CT50	3 x 38,5	6,25	415	8,7	7	9,2	M8	2,9
8373512	CT50	3 x 77	12,5	415	17,4	14	18,4	M8	3,4

Note
- Parallel connection bars, which allow modularity of the product, have a maximum capacity of 72A and are included in the supply.
- The dimensions are fixed: A = 70 mm; B = 210 mm; H = 250 mm
- The CT series units are always mounted vertically.

QUALITY

Regulations IEC EN 60831-1 : 2015. IEC EN 60831-2 : 2015.

European Directives Low voltage: 2014/35/EC.