



DISCOVERY

EVERYTHING FOR INDUSTRY & SERVICES



TECHNICAL SPECIFICATIONS:

Operating Temperature Range: -25/D (-25 / +55 °C)

Capacitance Tolerance: -5 +10 %

Working Voltages (Un): 400 V (others as shown table 3)

Working Frequency: 50 Hz (upon request 60Hz)

Internal connection: Delta

Permitted Over Voltages: As shown tables 2

Permitted Over Current: 1,3 In

Inrush current: >100 In

Terminals: on terminal board, cable connectable terminals

Terminals Torque: 3 N.m

Dielectric Losses (Tan δ -dissipation fact.): <0.2 W/kVAR

Total Losses (Tan δ -dissipation fact.): <0.5 W/kVAR

Safety device: Internal over-pressure disconnecter.

Protection Class: IP20

Test Voltage Between Terminals: 2,15 Un AC, 2 sec

Test Voltage Between Terminals and Case: 3 KV AC, 10 sec

Fixing stud: M12 (max.torque 10 Nm)

Altitude: 2000 m. a.s.l.

Discharge Resistor: External . 75 V after 180 sec.

Reference Standards: Capacitors meet or exceed of IEC publication 60831-1/2; TS EN 60831-1 Quality Assurance Standards: TS EN ISO 9001- 2008,

Our quality system is described in Quality Manual



LONG LIFE:

Our ZnPS Capacitors are described as "self healing".

This means that they are capable of restoring.

After occurring short circuit between the electrodes,

the metal layers around the short circuit are vaporized and

short circuit is terminated. Due to the that fact; Our CAPACITORS are long lasting.

DESCRIPTION OF THE ZnPS TYPE CAPACITORS:

The dielectric is low loss polypropylene film and the electrodes are consist of a very thinmetal coating on one side of the PP film layer coated under vacuum conditions. Two layer of metallized PP are wound into cylindrical windings. The windings are named as the Capacitor Elements. After metal spray application of both sides of the windings, the wire connections are provided. Those single phase capacitor elements are dehydrated under high vacuum conditions, impregnated with highly purified gas. The Capacitor Elements are encapsulated in polyurethane resin which is non toxic, environment compatible and having a high class insulation and mounted in aluminum tube. They are internally connected in delta position to give the required three phase output.

CONSTRUCTIONS:

ZnPS Capacitors are consist of self - healing metallized polypropylene film, plastic core, polyurethane resin, insulation materials, mechanical fuses (disconnecter), aluminium can and terminal block. All capacitors are equipped with discharge resistor on touch proof terminals and protection degree is IP20

APPLICATIONS:

ZnPS type capacitors have been designed for easy and quick assembly in banks. These are modular capacitors are used in automatic or manual power factor correction panels for low voltage applications.

PRODUCTION RANGE:

Other than products for different values of voltage, frequency, capacity and temperature those stated in the table 1 are also included in our production line.

NON POLLUTING:

All the materials used on Our CAPACITORS are non-toxic and completely environmentally compatible.

DIMENSIONS:

ZnPS Capacitors have standard dimensions. You can find dimensions and other details in the tables 5-10

