

## Brick S Oil-Resin 450 V



### Brick S

Power factor correction system module built with a galvanized iron white structure, provided with contactors for capacitive load insertion, three phase capacitor and plug and play connector. Plug and play connector are suitable for inserting modules quickly and safely in Tetris S system.

**BS050N4511**

**BS075N4512**

**BS100N4511**

**BS100N4512**

**BS125N4511**

**BS150N4512**

**BS200N4512**

**BS250N4511**

**BS250N4512**

| MODULE DATA                      |           |                                                                                       |       |      |      |      |      |       |      |           |
|----------------------------------|-----------|---------------------------------------------------------------------------------------|-------|------|------|------|------|-------|------|-----------|
| Nominal power                    | kVAr      | 5                                                                                     | 7,5   | 10   | 10   | 12,5 | 15   | 20    | 25   | 25        |
| Effective power                  | kVAr      | 4                                                                                     | 6     | 8    | 8    | 10   | 12   | 16    | 20   | 20        |
| Batteries                        | kVAr      | 5                                                                                     | 2,5-5 | 10   | 5-5  | 12,5 | 5-10 | 10-10 | 25   | 12,5-12,5 |
| Effective current 400 V          | A         | 5,7                                                                                   | 8,6   | 11,4 | 11,4 | 14,3 | 17,1 | 23    | 28,6 | 28,6      |
| Three phase power supply voltage | V         | 400                                                                                   |       |      |      |      |      |       |      |           |
| Nominal frequency                | Hz        | 50                                                                                    |       |      |      |      |      |       |      |           |
| Auxiliary circuits voltage       | V         | 400                                                                                   |       |      |      |      |      |       |      |           |
| Dimension HxWxD                  | mm        | 141x460x250                                                                           |       |      |      |      |      |       |      |           |
| Battery insertion                | -         | Contatctor suitable for capacitive load insertions (Ac-6b)                            |       |      |      |      |      |       |      |           |
| Maximum allowed THDI             | THDI r/c% | 25/70                                                                                 |       |      |      |      |      |       |      |           |
| Type connection to the system    | -         | Plug and play connector                                                               |       |      |      |      |      |       |      |           |
| CAPACITOR DATA                   |           |                                                                                       |       |      |      |      |      |       |      |           |
| Capacitor                        | -         | Three phase                                                                           |       |      |      |      |      |       |      |           |
| Capacitors' rated voltage        | V         | 450                                                                                   |       |      |      |      |      |       |      |           |
| Dielectric losses                | W/kVAr    | ≤ 0,2                                                                                 |       |      |      |      |      |       |      |           |
| Temperature Class                | -         | -25/D                                                                                 |       |      |      |      |      |       |      |           |
| Maximum In rush current          | A         | 200xIn                                                                                |       |      |      |      |      |       |      |           |
| Maximum over-current             | A         | 4 x In                                                                                |       |      |      |      |      |       |      |           |
| Statistical life expectancy      | h         | 130.000 (-25/C) 110.000 (-25/D)                                                       |       |      |      |      |      |       |      |           |
| Altitude max                     | m         | ≤2000 on sea level                                                                    |       |      |      |      |      |       |      |           |
| Dielectric system                | -         | MKP Reinforced metallic polypropylene film                                            |       |      |      |      |      |       |      |           |
| Impregnation                     | -         | Dry resin – vegetable oil                                                             |       |      |      |      |      |       |      |           |
| Discharge resistor               | -         | 50V - 60 s                                                                            |       |      |      |      |      |       |      |           |
| Capacitor protection             | -         | Overpressure device                                                                   |       |      |      |      |      |       |      |           |
| Standard accomplished            | -         | IEC 831 - 1/2, CEI EN 60831-1/2, IEC 61921, CEI EN 61921, IEC 61439-2, CEI EN 61439-2 |       |      |      |      |      |       |      |           |