



Trusted Partner in PQS

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## NEED

Immediate compensation of Inductive reactive power is very often the only way to cope with disturbances imposed on the mains by huge, rapidly changing inductive loads. These can be found in application of welding operations, steel rolling mills, Cranes & Heavy Industries, Container ports etc. Conventional capacitor switching devices with reaction periods of 20...90 seconds cannot comply with such intensive requirements. If the Switching time is reduced the components of the system wear out very rapidly causing frequent failure. The SST-TS thyristor switch module make reaction times of 1...15 millisecond possible.

## THYRISTOR



## FEATURES

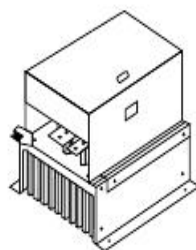
1. Available upto to 100 kVAr Single Switch Module
2. Very compact design
3. For Power above 50 kVAr, cooling fan included
4. Unique Anti-resonance (For 50/75/100 kVAr Module) features for protection purpose
5. LED indication for switching signal & excessive temperature.
6. Integral overheating protection
7. Semikron make German thyristor with 1800 PIV
8. Semiconductor fuse not required

## TECHNICAL DATA

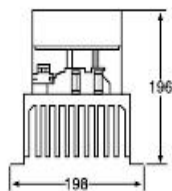
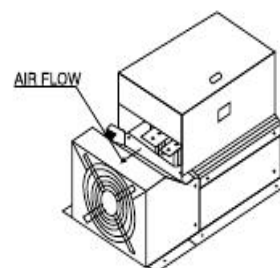
| Order Nos.            | SST-TS15-440                                  | SST-TS25-440 | SST-TS50-440 | SST-TS75-440               | SST-TS100-440 |
|-----------------------|---|--------------|--------------|----------------------------|---------------|
| Rated Voltage         | 440V  | 440V         | 440V         | 440V                       | 440V          |
| Max. Current(A)       | 30  | 50           | 100          | 150                        | 200           |
| Frequency(Hz)         | 50  | 50           | 50           | 50                         | 50            |
| Power Losses          | <3%   |              |              |                            |               |
| Voltage(Vdc)          | 8-30 Vdc Switching Voltage                    |              |              |                            |               |
| Power(VA)             | 9VA   |              |              |                            |               |
| Indication            | Over Temperature, Firing Signal, Power ON/OFF |              |              |                            |               |
| Reaction Period       | 0.2mSec                                       |              |              |                            |               |
| Time for reconnection | 40mSec  |              |              |                            |               |
| Operating Temperature | 0-40°C  |              |              |                            |               |
| Degree of Protection  | IP20  |              |              |                            |               |
| Fan                   | Natural Cooling                               |              |              | Forced Cooling             |               |
| Supply                |   |              |              | Direct From Supply Voltage |               |

### DESIGN DRAWINGS

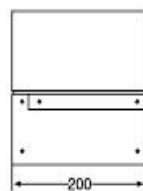
UP TO 50KVAR



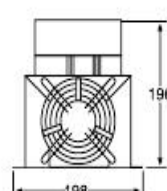
ABOVE 50K VAR



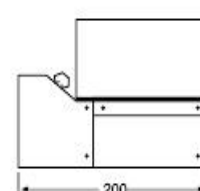
FRONT VIEW



SIDE VIEW



FRONT VIEW



SIDE VIEW