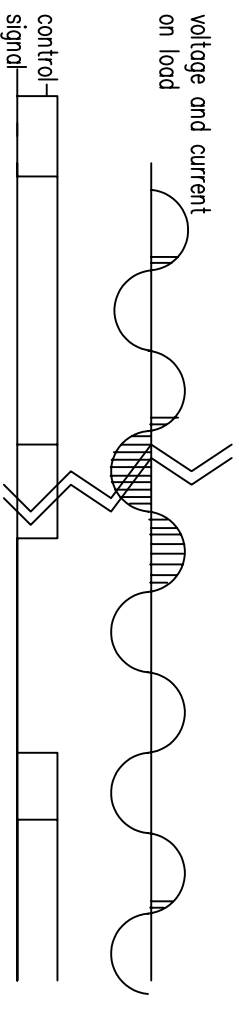


separately Thyristorblock for desired Amps with heat sink from e.g. IXYS with additional gate resistor board ICP from FSM-elektronik

- Connecting Board "ICP"
- V1 = S20K460
  - C1 = 0.33M $\mu$ F, 1200Vdc
  - R1 = 47 Ohm, 5W, 500V
  - R2,3 = 120 Ohm 1 W
  - D1,2 = 1N4004

### Sample for TSRLF with external thyristor block

avoiding of inrush currents by premagnetisation  
 Switch on delay: e.g. 5–20msec, because of line synchronisation of tsrft  
 Switch off delay: e.g. 5–20 msec, because of switch off in the same direction of the Premagnetisation  
 Suggestion: TSRLF 412001305 with Option halfwave defect recognition, control input for voltage, output to control Thy. Modul, together with ICP, with option fast switch on and remnance setting directly offer Power on.



### transformer switching without inrush currents

Revision	Datum	Name	Zust.	Datum	Name
a				02.12.2006	Konstanzer
b					
c					
d					

Application for TSRLF, with external Thyristor block with heat sink	
EMEKO Ing.Büro	TSRLF Application with Thy.Module
M.Konstanzer Tel. xx49 761 441803	
Britzingerstr. 36 D 79114 Freiburg	Drawing Nr.: TSRLF-APL-400V-mThyr-e.dwg
Blatt: 1	
von 01	