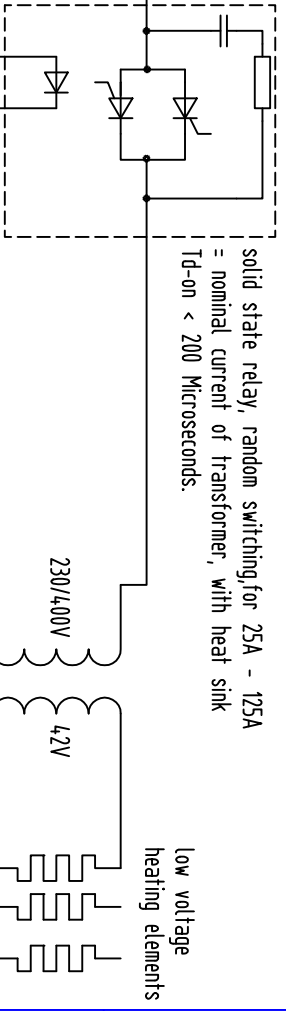


Line 230V, 400V  
N, L2  
fast fuses allowed e.g. Circuit breaker with nominal current

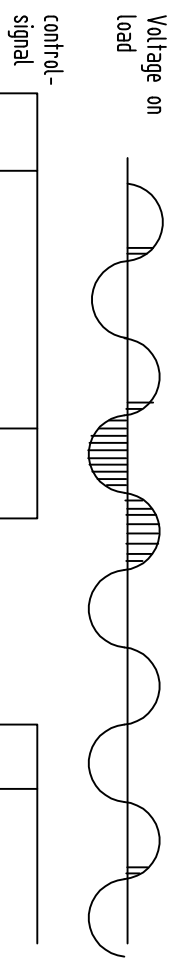


solid state relay, random switching, for 25A - 125A  
= nominal current of transformer, with heat sink  
T<sub>d-on</sub> < 200 Microseconds.

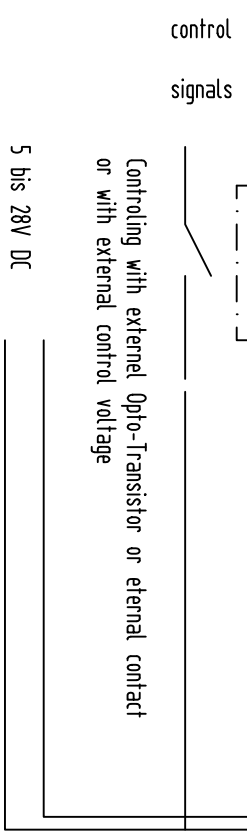
### Sample for TSRLF with external Solid state relay

Sample: fast switching with pulse groups avoiding of inrush currents by premagnetisation

Switch on delay: e.g. 5-20msec, because of line synchronisation  
Switch off delay: e.g. 5-20 msec, because of switch off in the same direction of the premagnetisation



transformer switching without inrush currents



Revision	Datum	Name	Zust.	Datum	Name
a					
b					
c					
d					

1	2	3	4	5	6	7	8
22.07.1999		Konstranzer		EMEKO IngBüro Mkonstanzer Britzingerstr. 36 D 79114 Freiburg			
TSRLF Applikation 03				Auftrags-Nr.: tsrl(a03e.dwg)			
Blatt: 1				von 01			