



**General Data :**

Construction regulation : 20 G 1208.0100  
 Type : singel-phase control transformer/rectifier

Customer : Elektro Spangler  
 identification : --

Constructional features : vertical magnetic axis  
 Surface : resin impregnation  
 According to regulation : DIN EN 60742, VDE 0551, DIN EN 61558, Teil 2-4 und 6, VDE 0570

Conection : terminal block

Core section : EI 120 according to DIN 41302 T1  
 Coil form : EI 120/73 1Ka/MS

Material : V530-50  
 Material : Durethan BKV30H

**Electrical data :**

Nominal input voltage V : 380-400-420  
 Nominal output voltage V : 230 AC  
 Nominal output voltage V : 24 DC  
 Rated power kVA : 0,507  
 Short time power kVA : --  
 Frequency Hz : 50/60  
 Temperature class : T40/E

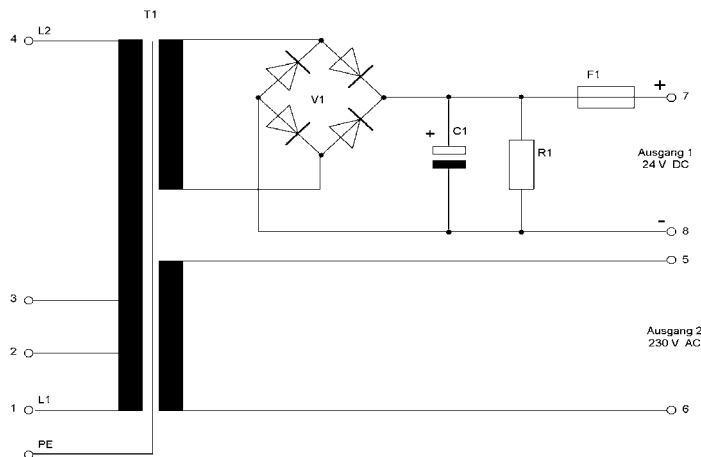
Rated current A : 1,530-1,45-1,38  
 Rated current A : 1,00AC  
 Rated current A : 12,0 DC

Operation : DB  
 Vector group : li0  
 Percentage duty cycle : 100 %

**Testing :**

Type : Routine check test  
 according to regulation : VDE 0570 2-4, High voltage test according to VDE 0570 2-4  
 No-load test : Voltages and currents as nominal values (see above)  
 High voltage test : 5 kV; chassis to winding and winding to winding for 60 sec.

**Circuit diagramm :**



| Member | Description | Typ           | Manufact. |
|--------|-------------|---------------|-----------|
| T1     | Transformer | EI 120/53 1K  | UEN       |
| F1     | Fuse        | Automat 15 A  | CONRAD    |
| V1     | Rectifier   | KBPC 2504     | MÜTRON    |
| C1     | Kondensator | 10000 µF/40 V | F+T       |
| R1     | Resistor    | 680 R/4 W     | Mütron    |

**Terminal connecting diagramm :**

| Terminal. | 1 | 2   | 3   | 4   | 5 | 6      | 7      | 8          |
|-----------|---|-----|-----|-----|---|--------|--------|------------|
| Voltage   | 0 | 380 | 400 | 420 | 0 | 230 AC | 0<br>+ | 24 DC<br>- |