



General Data :

Construction regulation : 20 T 1744.0008
 Type : singel-phase control transformer

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
 Connection : terminal block

Core section : EI 174 according to DIN 41302 T1
 Coil form : EI 174/82 1Ka/MS
 Material : V530-50
 Material : Durethan BKV30H

Electrical data :

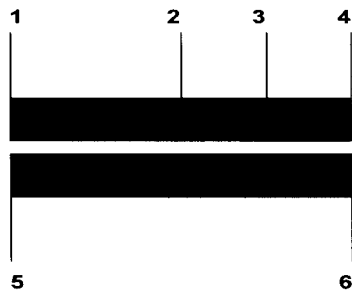
Nominal input voltage V : 437-460-483
 Nominal output voltage V : 230
 Rated power kVA : 1,600
 Short time power kVA : 2,950
 Frequency Hz : 50/60
 Temperature class : T40/E

Rated current A : 3,84-3,65-3,48
 Rated current A : 6,96
 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 0551
 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.

Terminal connecting diagramm :



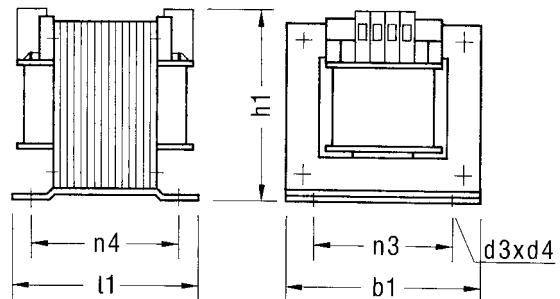
Primär

Sekundär

Terminal	1	2	3	4
Voltage	0	437	460	483

5	6
0	230

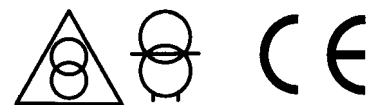
Dimensions and weights :



Dimensions in mm

l1	b1	h1	n3	n4	d3 x d4
122	174	160	135	121	7,0 x 15,0

Total weight : 21,2 kg



Special features :

mounting size according to DIN 41 308

Date : 22.09.2008/JE D:\UEN Dokumente\Texte WP Büro\Datenblätter\Englisch 20 T 1744_0008 Spangler Neue Form.wpd