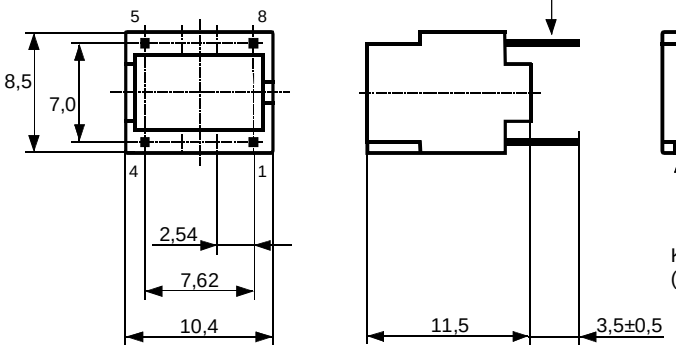
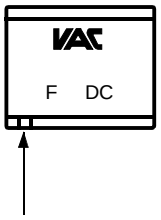
VACUUMSCHMELZE	**Specification**	**Item No.: T60403-K4085-X004**
K-No.: 24741	**Powerline transformer**	Date: 11.06.2007
Customer : Standard Type	Customers part No.:	Page 1 of 2

Mechanical outline (mm): (General Tolerances DIN ISO 2768-c)

Toleranz der Stiftabstände ±0,2mm
(Tolerances grid distance)



DC = Date Code
F = Factory



Kennzeichnung Stift1
(marking pin 1)

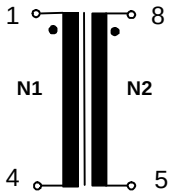
Connections:

Dummy pins:
No.

Beschriftung:
marking

DC
4085X004
F

Schematic diagram:



ü = 1 : 1

Operational data/characteristic data (nominal values):

$R_{Cu1} \leq$ 200 mΩ*,

$R_{Cu2} \leq$ 300 mΩ*

$L_{L1} \leq$ 0,3 µH* (N_2 short circuited)

$C_K \leq$ 25 pF* (N_1 to N_2)

Operating temperature: -40 °C ... +125 °C
Storage temperature: -40 °C ... +120 °C

Final inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)

1)	(V)	M3014:	$U_{p,eff}$ = 4.0 kV, 2 s,	N_1 to N_2
2)	(AQL 0,25)		L_1 = 1,4 mH + / - 30 %,	f = 10 kHz, $U_{AC,eff}$ = 100 mV
3)	(V)		Polarity, Turns ratio:	Tolerance ± 2 %
4)		M3029:	solderability test acc. 1.1	
5)	(AQL 1/S4)	M3200	Mechanical test	

See page 2

Applicable documents:

Constructed, manufactured and tested in accordance to EN 60950 (IEC 950) and agrees with the standards
Parameters: Reinforced insulation: N1 → N2
Working voltage: 400 V r.m.s. Pollution degree: 2
Insulation category: 3 Material group: 2

Housing material, casting resin and wire UL - listed

Date	Name	Index	Change
11.06.07	Gr.	82	Inspection point 1) changed to 4kV, working voltage 400 V, Type test inserted. ÄA-249

Editor: KB-FB FP	Design: Gr.		KB-PM B: Pf. check			released: Gr.

Typprüfung:
Type test

1) Stoßspannungsprüfung in Anlehnung an M3064
HV transient test according to M3064

N1 gegen/to N2

Einstellwerte: 10 µs / 700 µs-Kurvenform (waveform)
Settings $U_{P,max}$ = 10 kV
R_i = 40 Ω

10 Impulse im Abstand t = 10 Sekunden mit wechselnder Polarität
10 pulses in a cycle of t = 10 seconds with changing polarity

2) M3014: $U_{p,eff}$ = 4.0 kV, 60 s, N_1 to N_2

Measurements after temperature balance of the test samples at room temperature * preliminary