VACUUMSCHMELZE	**DATENBLATT / Specification**	**Sach Nr.:** Item no.: **T60403-K4185-X047**

K-Nr.: 25464 K-no.:	**Powerline Transformer**	Datum: 24.04.2015 Date:
Kunde: Standard Type Customer	Kd. Sach Nr.: Customers part no.:	Seite 1 von 2 Page of

Maßbild (mm): Freimaßtoleranz DIN ISO 2768-c
Mechanical outline General tolerances

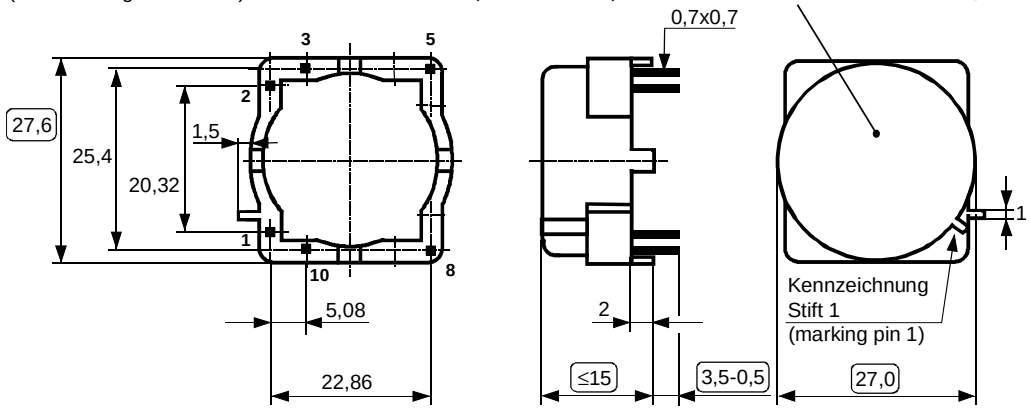
Anschlüsse:
Connections:
3, 5, 8, 10

Toleranz der Stiftabstände ±0,3mm
(Tolerances grid distance)

Prüfmaß
(test dimension)

Beschriftung
(marking)

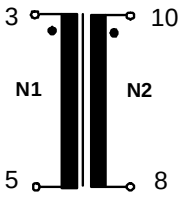
DC=Date Code
F=Factory



Beschriftung:
marking

VAC DC
4185X047
F

Anschlußschema:
Schematic diagram



ü = 1 : 1

Betriebsdaten/Charakteristische Daten (Richtwerte):
Operational data/characteristic data (nominal values):

f = 10 kHz … 1 MHz

I_{RMS} < 50 mA* (50/60Hz)

R_{Cu1} ≤ 200 mΩ* R_{Cu2} ≤ 200 mΩ*

L_{S1-2} ≤ 0,8 µH* C_{K1-2} ≤ 15 pF*

Operating temperature: -40 °C ... +125 °C
Storage temperature: -40 °C ... +85 °C

* preliminary

Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1; SC = significant characteristic)

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Applicable documents See page 2

Datum	Name	Index	Änderung
24.04.15	Bs	81	Typo: storage temperature changed from +120°C ➔ +85°C. lapidary change
22.07.14	Pf.	81	Characteristic data: I_{DC} < 50 mA changed to I_{RMS} < 50 mA (50/60Hz). Lapidary change.

Hrsg.: KB-E editor	Bearb: Bs designer		KB-PM: Pf check			freig.: HH released

Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1; SC = significant characteristic)

1)	(V)	M3014:	$U_{p,eff}$ = 10 kV, 2 s,	N_1 vs N_2	
2)	(V)	M3011/1:	L_1 = 1,4 mH + / - 40 %,	f = 10 kHz,	$U_{AC,eff}$ = 100 mV (SC)
3)	(V)	M3011/6:	Polarity, Turns ratio:	Tolerance ± 2 %	
4)	(Fix 05)	M3290:	solderability test acc. to chapter 1		
5)	(AQL 1/S4)	M3200	Mechanical test		

Type test:

1) HV transient test according to M3064

N1 vs N2

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

10 pulses in a cycle of t = 10 seconds with changing polarity

2) M3014: $U_{p,eff}$ = 10 kV, 60 s, N_1 vs N_2

3) M3292: Resistance to soldering heat acc. to chapter 1

Measurements after temperature balance of the test samples at room temperature

Applicable documents:

Designed, manufactured and tested in accordance to EN 60950 (IEC 60950) and complies with the standards

Parameters: Reinforced insulation: N1 → N2
Working voltage: 400 V — Pollution degree: 2
Overvoltage category: 2 — Material group: 1

Housing material, casting resin and wire UL - listed