

K-Nr.: 26581
K-no.:

Powerline Transformer

Datum: 11.03.2015

Date:

Kunde: Typenelement / Standard Type
Customer

Kd. Sach Nr.:
Customers part no.:

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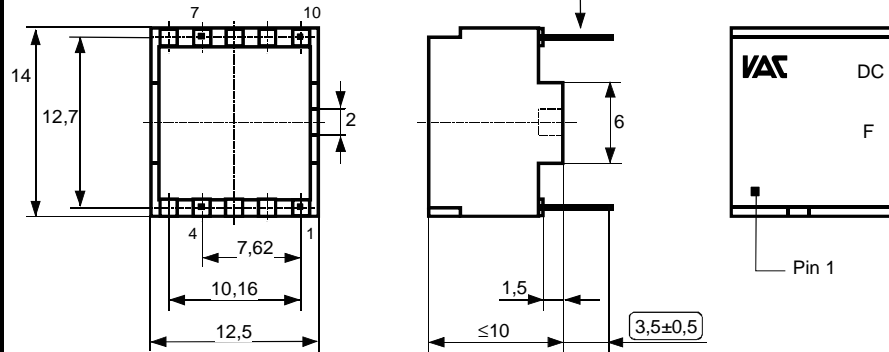
Maßbild (mm): Freimaßtoleranz DIN ISO 2768-c
Mechanical outline General tolerances

Anschlüsse:
Connections:

Toleranz der Stiftabstände $\pm 0,2\text{mm}$
(Tolerances grid distance)

Pin 0,66x0,45 alternativ 0,5 (0,52) x 0,5(0,52) DC = Date Code
Pin 0,66x0,45 alternative 0,5 (0,52) x 0,5(0,52) F = Factory

○ = Prüfmaß / test dimension

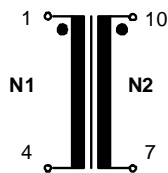


Beschriftung
(marking):

VAC
4021X144
F DC

Anschlußschema:
Schematic diagram

IC side mains side



$\ddot{u} = 1,37 : 1$

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

$f = 10 \dots 1000 \text{ kHz}$

$I_{RMS} < 120 \text{ mA}$ (50/60 Hz) (related to N2)

$R_{Cu1} \leq 280 \text{ m}\Omega$; $R_{Cu2} \leq 220 \text{ m}\Omega$

Operating temperature: $-40 \text{ }^\circ\text{C} \dots +120 \text{ }^\circ\text{C}$

Storage temperature: $-40 \text{ }^\circ\text{C} \dots +85 \text{ }^\circ\text{C}$

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

See page 2

Weitere Vorschriften:

Applicable documents

Datum	Name	Index	Änderung
11.03.15	Bs	81	Typo. Inspection 2), sample size AQL 0,25 changed to V. Lapidary change

Hrsg.: KB-E
editor

Bearb: Bs.
designer

KB-PM: BP.
check

freig.: HH
released

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

- 1) (V) M3014: $U_{p,r.m.s.} = 6,5 \text{ kV}$, 2 s, N1 vs N2
- 2) (V) M3011/1: $L_1 \geq 800 \mu\text{H}$, $f = 10 \text{ kHz}$, $U_{AC,r.m.s.} = 100 \text{ mV}$ (SC)
- 3) (V) M3011/6: Polarity, turns ratio: Tolerance $\pm 2 \%$
- 4) (Fix05) M3290: Solderability test acc. to chapter 1
- 5) (AQL 1/S4) M3200: Mechanical test

Typprüfung:
 Type test

- 1) High voltage test according to M3014
 $U_{p,r.m.s.} = 7,5 \text{ kV}$, 1 min, N1 gegen/vs N2
- 2) M3292: Resistance to soldering heat acc. to chapter 2

Messungen nach Temperaturgleich der Prüflinge an Raumtemperatur
 Measurements after temperature balance of the samples at room temperature

Applicable documents:

Designed, manufactured and tested in accordance to EN 60950 (IEC 950) and complies with the standards.

Parameters: Reinforced insulation: N1 vs N2	and / or	Reinforced insulation: N1 to N2
Working voltage: 450 V r.m.s.		Working voltage: 300 V r.m.s.
Overtoltage category: 3		Overtoltage category: 4
Pollution degree: 2		Pollution degree: 2
Insulation material group: 3		Insulation material group: 3

Housing material, casting resin and wire UL – listed

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