

K-Nr.: 26630

K-no.:

Powerline Transformer

Datum: 26.08.2015

Date:

Kunde: Standard Type

Customer

Kd. Sach Nr.:

Customers part no.:

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Maßbild (mm): Freimaßtoleranz DIN ISO 2768-c

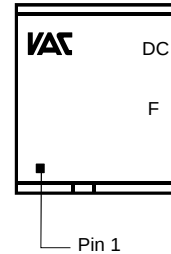
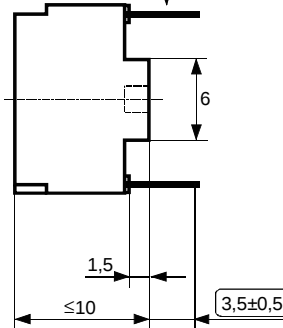
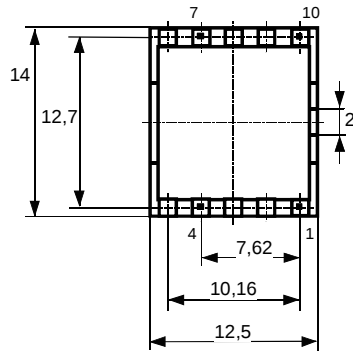
Mechanical outline General tolerances

 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

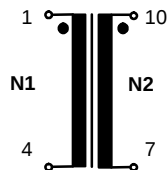

 Beschriftung
(marking):

VAC
4021X145
F DC

Anschlußschema:

Schematic diagram

IC side mains side


 $\ddot{u} = 1,7 : 1$

Betriebsdaten/Charakteristische Daten (Richtwerte):

Operational data/characteristic data (nominal values):

 $f = 10 \dots 1000 \text{ kHz}$
 $I_{\text{RMS}} < 130 \text{ mA}$ (50/60 Hz) (related to N2)

 $R_{\text{Cu1}} \leq 320 \text{ m}\Omega$, $R_{\text{Cu2}} \leq 200 \text{ m}\Omega$
 $L_2 \geq 342 \mu\text{H}$, $f = 10 \text{ kHz}$
 $L_{\text{S2}} \leq 1 \mu\text{H}$, $f = 100 \text{ kHz}$, (N1 short circuited)

 $C_K \leq 30 \text{ pF}$, $f = 10 \text{ kHz}$

Maximum operating temperature: +120 °C

Ambient temperature: -40 °C ... +115 °C

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

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

Inspection

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Applicable documents See page 2

Date	Name	Issue	Amendment
		81	

 Hrsg.: KB-E
editor

 Bearb: BS
designer

 KB-PM: Pf.
check

 freig.: HH
check

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Kunde: Standard Type Customer	Kd. Sach Nr.: Customers part no.:	Seite 2 von 2 Page of

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

- | | | | | | |
|----|------------|----------|--------------------------------------|------------------------|--|
| 1) | (V) | M3014: | $U_{p, r.m.s.} = 5,1 \text{ kV}$, | 2 s, | N1 vs N2 |
| 2) | (V) | M3011/1: | $L_1 \geq 990 \mu\text{H}$, | $f = 10 \text{ kHz}$, | $U_{AC, r.m.s.} = 100 \text{ mV}$ (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 | | | | |
| | $U_{p, r.m.s.} = 5,7 \text{ kV}$, | 1 min, | N1 gegen/vs N2 | | |
| 2) | M3292: | Resistance to soldering heat acc. to chapter 1 | | | |

Messungen nach Temperaturangleich 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.
Overvoltage category: 3		Overvoltage 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: Pf. check		freig.: HH check
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