

K-Nr.: 25817
 K-no.:

Powerline Transformer

 Datum: 30.01.2012
 Date:

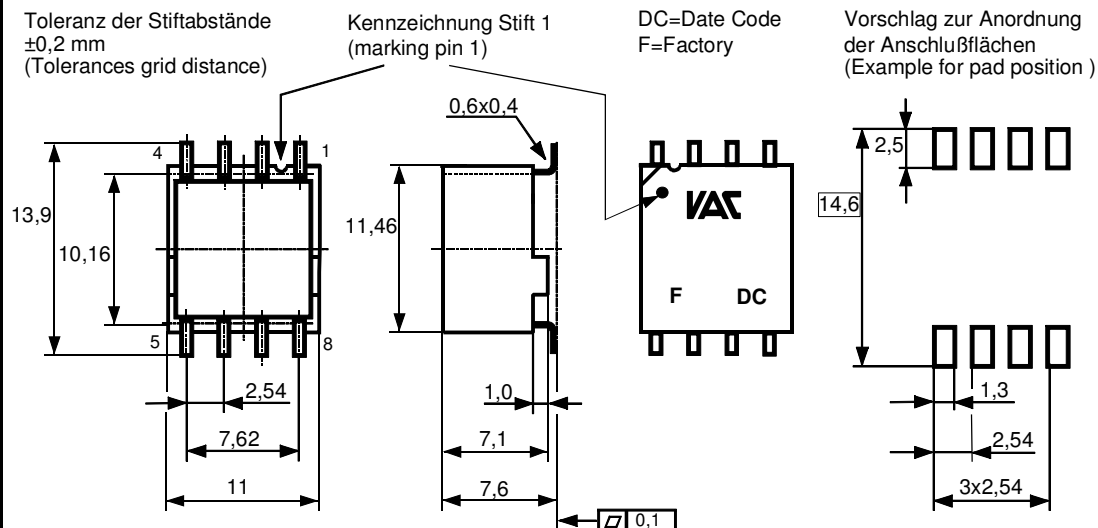
 Kunde:
 Customer

 Kd. Sach Nr.:
 Customers part no.:

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

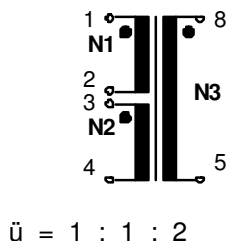
 Anschlüsse:
 Connections:

 Not connected pins
 6, 7

 Beschriftung:
 marking

VAC DC
 5024X099
 F

 Anschlußschema:
 Schematic diagram

IC side mains side


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

 $f = 10 \dots 1000 \text{ kHz}$
 $I_{DC} < 140 \text{ mA}$;

 $R_{Cu1} \leq 250 \text{ m}\Omega$; $R_{Cu2} \leq 250 \text{ m}\Omega$, $R_{Cu3} \leq 500 \text{ m}\Omega$

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

 Storage temperature: $-40 \text{ }^{\circ}\text{C} \dots +85 \text{ }^{\circ}\text{C}$
Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)

- | | | | | |
|----|------------|----------|--------------------------------------|--|
| 1) | (V) | M3014: | $U_{p,eff} = 3,0 \text{ kV}$, 2 s, | N3 vs N1+N2 |
| | | | $U_{p,eff} = 0,5 \text{ kV}$, 2 s, | N1 vs N2 |
| 2) | (AQL 0,25) | M3011/1: | $L_3 \geq 700 \text{ }\mu\text{H}$, | $f = 10 \text{ kHz}$, $U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V) | M3011/6: | Polarity, Turns ratio: | Tolerance $\pm 2 \%$ |

See page 2

Applicable documents: see page 2

| Datum | Name | Index | Änderung |
|----------|------|-------|---|
| 30.01.12 | Bs | 82 | Revised acc to EN 60950. Mechanical outline width changed from 10mm to 11mm. M3064 cancelled. |
| | | | M3292 added. OVC 2 instead of 3. CN-199 |

| | | | |
|-----------------------|-----------------------|----------------------|------------------------|
| Hrsg.: KB-E editor | Bearb: Bs designer | KB-PM: Ert. check | freig.: HS released |
|-----------------------|-----------------------|----------------------|------------------------|

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

4) (Fix05) M3291: Solderability test acc. to chapter 1

5) (AQL 1/S4) M3200: Mechanical test

Type test

1) High voltage test according to M3014

$U_{p,eff} = 3 \text{ kV}$, 1 min, N1+N2 vs N3

2) M3292: Resistance to soldering heat acc. to chapter 2

Measurements after temperature balance of the test 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+N2 vs N3

Working voltage: 400 V r.m.s.

Overvoltage category: 2

Pollution degree: 2

Insulation material group: 3

Housing material, casting resin and wire UL – listed

Packing: Drypack / MSL according VAC M3027

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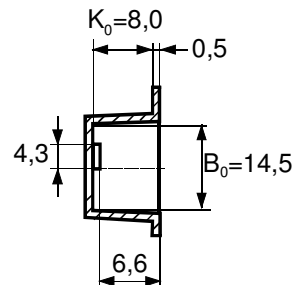
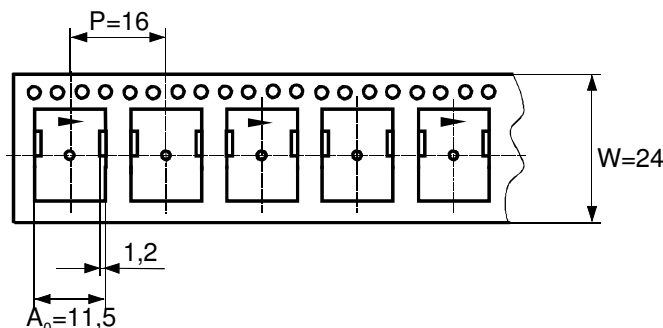
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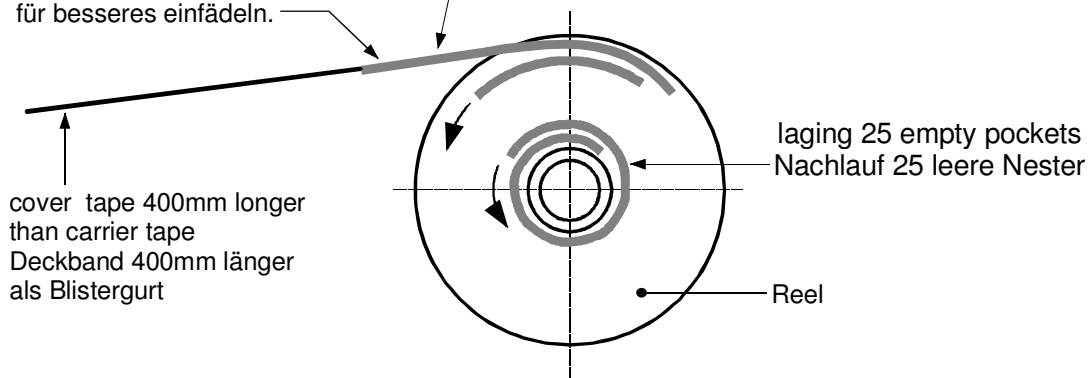
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packing information / Verpackungsinformation


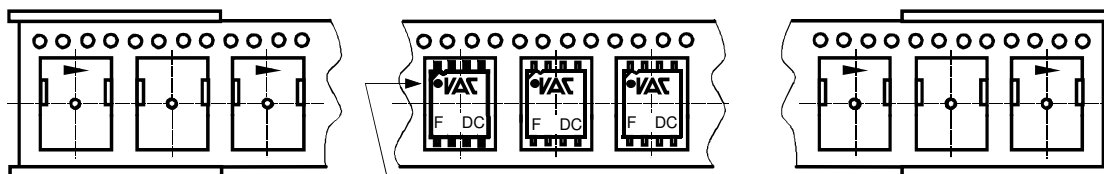
the first two nests must be crushed for better pockets.
 Die ersten zwei Nester gequetscht für besseres einfädeln.

leading 25 empty pockets
 Vorlauf 25 leere Nester



lagging: >25 empty pockets
 Nachlauf >25 leere Nester

leading: >25 empty pockets
 Vorlauf >25 leere Nester



Orientation of Pin 1 in carrier tape
 Anordnung von Stift 1 im Blistergurt

Insertion of components according orientation 3 shown in M-sheet 3510
 Einsetzen der Bauelemente nach M-Blatt 3510 Orientierung 3

quantities in packing:
 Verpackungsmenge

450 pieces/tape (packing carton) 450 Bauelemente/Rolle
 5 tapes reel/carton (outside)=2250 pieces /carton(outside)
 5 Rollen/Karton =2250 Bauelemente /Außenkarton

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