

K-Nr.: 25617  
K-no.:

Powerline Transformer

Datum: 24.03.2015  
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:

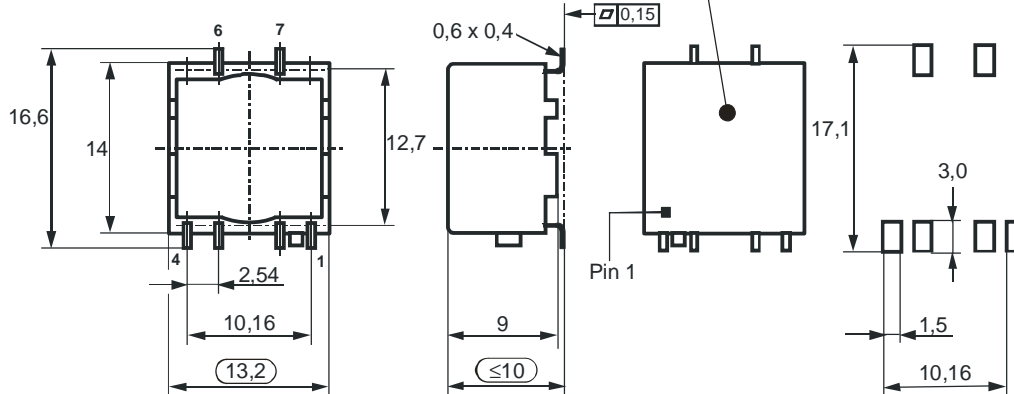
Toleranz der Stiftabstände  $\pm 0,2\text{mm}$   
(Tolerances grid distance)

Prüfmaß  
(test dimension)

DC = Date Code  
F = Factory

Beschriftung  
(marking)

Vorschlag zur Anordnung der  
Anschlussflächen  
(Example  
for pad positions)

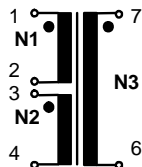


Beschriftung  
(marking):

**VAC**  
5032X114  
F DC

Anschlußschema:  
Schematic diagram

IC side      mains side



$\ddot{u} = 1 : 1,15 : 1,62$

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

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

$I_{\text{RMS}} < 120 \text{ mA}$  (50/60 Hz)      (related to N3)

$R_{\text{Cu1}} \leq 150 \text{ m}\Omega$ ,     $R_{\text{Cu2}} \leq 170 \text{ m}\Omega$ ,     $R_{\text{Cu3}} \leq 220 \text{ m}\Omega$

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

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Weitere Vorschriften: Siehe Seite 2

Applicable documents See page 2

Datum	Name	Index	Änderung
24.03.15	Bs	81	Typo: storage temperature changed from +120°C → +85°C. lapidary change.

Hrsg.: KB-E editor	Bearb.: BS. designer	KB-PM: Pf check	freig.: HH released
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Prüfung: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1; SC = significant characteristic)  
Inspection

- |    |            |          |  |                       |  |
|----|------------|----------|--|-----------------------|--|
| 1) | (V)        | M3014:   | $U_{p, r.m.s.} = 6,5 \text{ kV},$<br>$U_{p, r.m.s.} = 0,5 \text{ kV},$ | 2 s,<br>2 s,          | N3 vs N1+2<br>N1 vs N2                 |
| 2) | (V)        | M3011/1: | $L_{1+2} \geq 950 \mu\text{H},$  | $f = 10 \text{ kHz},$ | $U_{AC, r.m.s.} = 100 \text{ mV}$ (SC) |
| 3) | (V)        | M3011/6: | Polarity, turns ratio:   | Tolerance $\pm 2 \%$  |  |
| 4) | (Fix05)    | M3291:   | 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+N2 gegen/vs N3
- 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+N2 vs N3	and / or	Reinforced insulation: N1+N2 to N3
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

Packing: Drypack / MSL according VAC M3027

Hrsg.: KB-E  
editor

Bearb: BS.  
designer

KB-PM: Pf  
check

freig.: HH  
released