

K-Nr.: 26594  
 K-no.:

Powerline Transformer

 Datum: 16.10.2015  
 Date:

 Kunde: Typenelement / 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

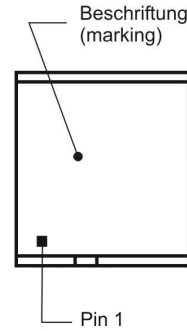
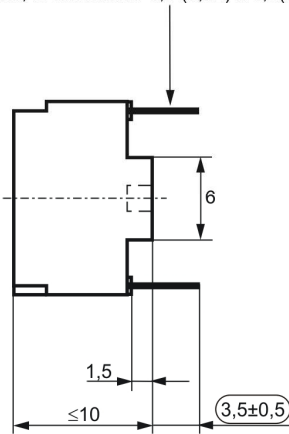
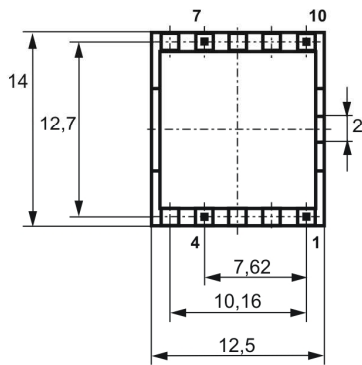
 Anschlüsse:  
 Connections:

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

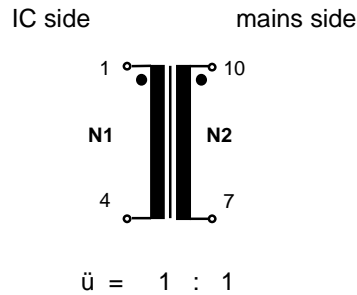
 Pin 0,66x0,45 alternativ 0,5 (0,52) x 0,5(0,52)  
 Pin 0,66x0,45 alternative 0,5 (0,52) x 0,5(0,52)

 DC = Date Code  
 F = Factory

○ = Prüfmaß / test dimension


 Beschriftung  
 (marking):


 4021X146  
 F DC

 Anschlußschema:  
 Schematic diagram

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

 $f = 10 \dots 1000 \text{ kHz}$ 
 $I_{RMS} < 100 \text{ mA}$  (50/60 Hz) (related to N2)

 $R_{Cu1} \leq 260 \text{ m}\Omega$ ;  $R_{Cu2} \leq 260 \text{ m}\Omega$ 
 $L_{S2} \leq 1 \mu\text{H}$ ,  $f = 100\text{kHz}$  (N1 short circuited)

 $C_K \leq 35 \text{ pF}$ ,  $f = 10\text{kHz}$ 

 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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 See page 2

Weitere Vorschriften:

Applicable documents

Datum	Name	Index	Änderung
		81	

 Hrsg.: KB-E  
 editor

 Bearb.: BS.  
 designer

 KB-PM: Pf.  
 check

 freig.: HS  
 released

**DATENBLATT / Specification****Sach Nr.: T60403-K4021-X146**

Item no.:

K-Nr.: 26594

Powerline Transformer

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Kunde: Typenelement / Standard Type  
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Customers part no.:Seite 2 von 2  
Page ofPrüfung: (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: | $L_1 \geq 680 \mu\text{H}$ ,         | $f = 10 \text{ kHz}$ , | $U_{AC, r.m.s.} = 100 \text{ mV}$ (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) | (Fix05)                              | 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  
editorBearb.: BS.  
designerKB-PM: Pf.  
checkfreig.: HS  
released

# Mouser Electronics

Authorized Distributor

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