

K-Nr.: 25739  
 K-no.:

Powerline transformer

 Datum: 27.04.2015  
 Date:

 Kunde: ITRON  
 Customer

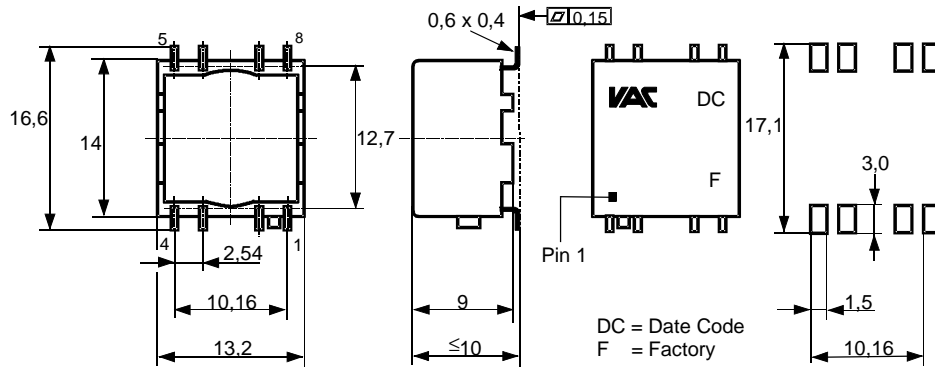
 Kd. Sach Nr.: A205277  
 Customers part no.:

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

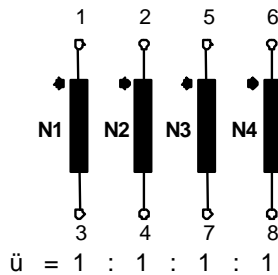
 Anschlüsse:  
 Connections:  
 1, 2, 3, 4, 5, 6, 7, 8

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

 Vorschlag zur Anordnung der  
 Anschlussflächen (Example  
 for pad positions)

 Beschriftung:  
 marking


 DC  
 5032X104  
 F

Schematic diagram:


 Windings N1 + N2 and N3 + N4 should be connected  
 in parallel for better current capacity.

Operational data/characteristic data (nominal values):

$f = 10 \dots 1000 \text{ kHz}$   
 $I_{\text{RMS}} < 100 \text{ mA}$  (50/60Hz), without magnetic saturation  
 $I_{\text{peak}} < 3 \text{ A}$  (corresp. to  $I_{\text{r.m.s.}} < 2,12 \text{ A}$ ), thermal ability

$R_{\text{Cu1}} = 0,18 \Omega \pm 15\%$ ;  $R_{\text{Cu2}} = 0,18 \Omega \pm 15\%$   
 $R_{\text{Cu3}} = 0,18 \Omega \pm 15\%$ ;  $R_{\text{Cu4}} = 0,18 \Omega \pm 15\%$

Operating temperature:  $-40^\circ\text{C} \dots +120^\circ\text{C}$   
 Storage temperature:  $-40^\circ\text{C} \dots +85^\circ\text{C}$

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

- |               |          |  |   |
|---------------|----------|--|---|
| 1) (V)        | M3014:   | $U_{\text{p,r.m.s.}} = 1 \text{ kV}$ ,<br>$U_{\text{p,r.m.s.}} = 0,5 \text{ kV}$ , | 2 s, N1 + N2 vs N3 + N4<br>2 s, N1 vs N2 and N3 vs N4   |
| 2) (V)        | M3011/1: | $L_1 = 500 \mu\text{H} \pm 40\%$ ,   | $f = 10 \text{ kHz}$ , $U_{\text{AC,r.m.s.}} = 100 \text{ mV}$  |
| 3) (AQL 0.25) | M3011/2: | $L_{\text{S1+2}} = 6,6 \mu\text{H} \pm 30\%$ ,                                     | $f = 100 \text{ kHz}$ , $U_{\text{AC,r.m.s.}} = 100 \text{ mV}$<br>(N1 + N2 parallel, N3 + N4 parallel and short circuited) |
| 4) (V)        | M3011/6: | Polarity / turns ratio:  | Tolerance $\pm 2\%$ ( $\pm 0 \text{ Wdg.}$ )  |
| 5) (Fix05)    | M3291:   | Solderability test acc. to chapter 1   |   |
| 6) (AQL 1/S4) | M3200    | Mechanical test  |   |

Measurements after temperature balance of the test samples at room temperature

 Weitere Vorschriften: **Packing: Drypack / MSL according VAC M3027**

Applicable documents:

Datum	Name	Index	Änderung
27.04.15	Bs.	81	Typo: storage temperature changed from $+120^\circ\text{C} \rightarrow +85^\circ\text{C}$ . lapidary change
22.07.14	Pf.	81	Characteristic data: $I_{\text{DC}} < 100 \text{ mA}$ changed to $I_{\text{RMS}} < 100 \text{ mA}$ (50/60Hz). Lapidary change

 Hrsg.: KB-E  
 editor

 Bearb.: Bs.  
 designer

 KB-PM: Ert.  
 check

 freig.: HH  
 released

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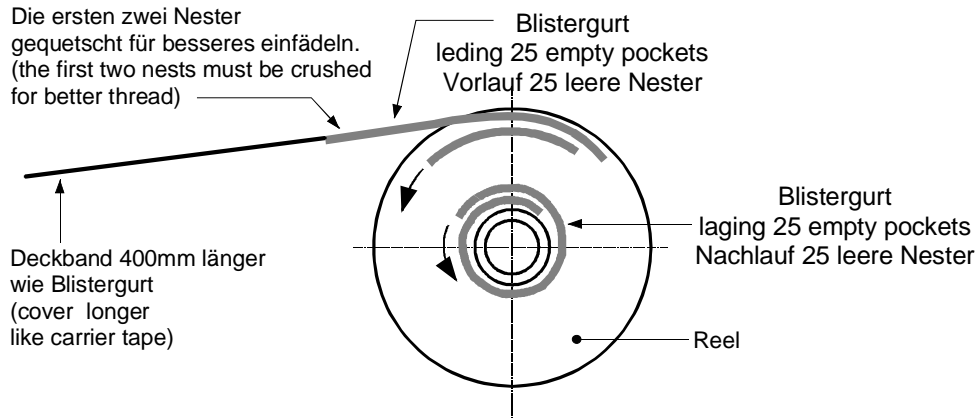
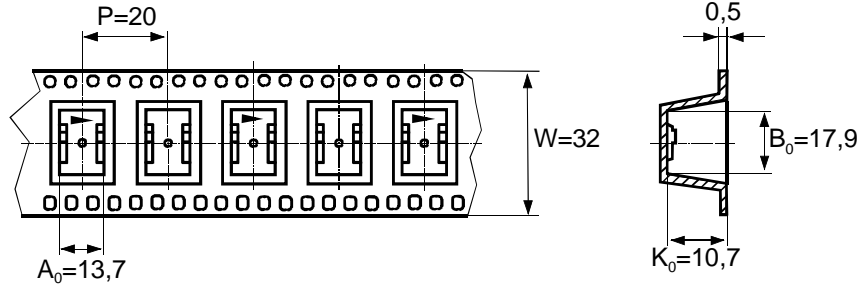
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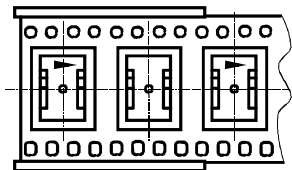
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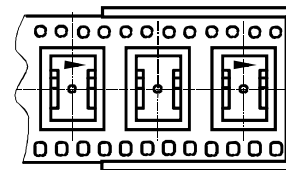
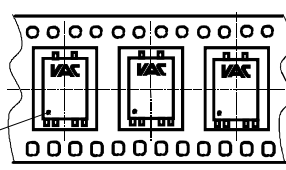
**packing information / Verpackungsinformation**



lagung: >25 empty pockets  
Nachlauf >25 leere Nester



leading: >25 empty pockets  
Vorlauf >25 leere Nester



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

Insertion of components according orientation 1 shown in M-sheet 3510  
Einsetzen der Bauelemente nach M-Blatt 3510 Orientierung 1

**quantities in packing:** 200 pieces/tape (packing carton) 200 Bauelemente/Rolle  
Verpackungsmenge 5 tapes reel/carton (outside)=1000 pieces /carton(outside)  
5Rollen/Karton =1000 Bauelemente /Außenkarton

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