

K-No.: 25165

Powerline transformer

Date: 22.07.2014

Customer:

Customers part No.:

Page 1 of 3

Mechanical outline (mm): (General Tolerances DIN ISO 2768-c)

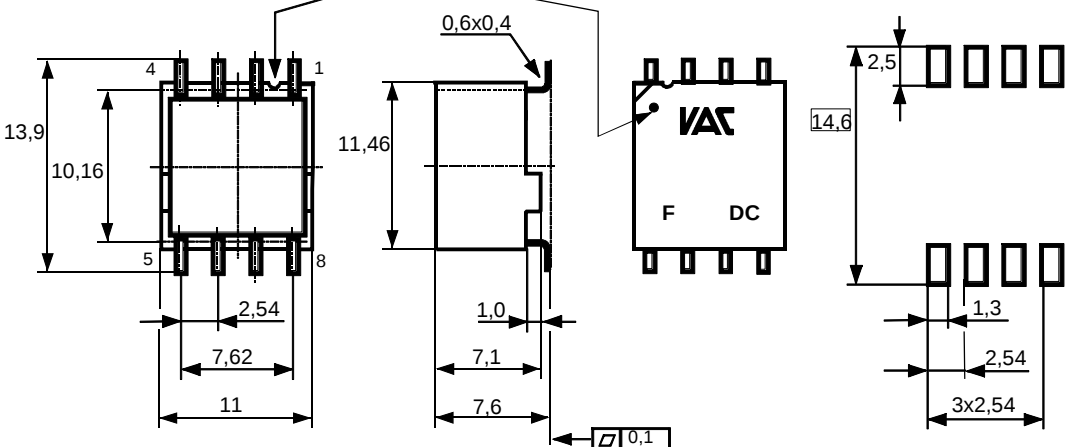
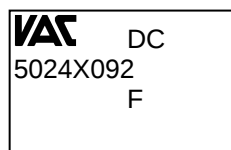
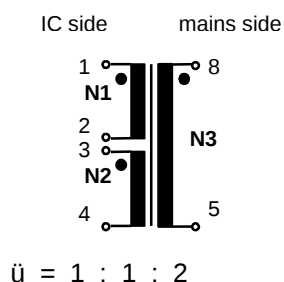
Toleranz der Stiftabstände
 $\pm 0,2$ mm
(Tolerances grid distance)

Kennzeichnung Stift 1
(marking pin 1)

DC=Date Code
F=Factory

Vorschlag zur Anordnung
der Anschlußflächen
(Example for pad position)

Connections:

Dummy pins:
No.

Beschriftung:
marking

Schematic diagram:

Operational data/characteristic data (nominal values):
 $f = 10 \dots 1000$ kHz

 $I_{RMS} < 140$ mA (50/60Hz)

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

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

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

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

- | | | | | |
|----|------------|----------|----------------------------|--|
| 1) | (V) | M3014: | $U_{p,eff} = 4,0$ kV, 2 s, | N3 vs N1+N2 |
| | | | $U_{p,eff} = 0,5$ kV, 2 s, | N1 vs N2 |
| 2) | (AQL 0,25) | M3214: | $L_3 \geq 700$ μ H, | $I_{DC} = 130$ mA, $f = 10$ kHz, $U_{AC,eff} = 100$ mV |
| 3) | (V) | M3011/6: | Polarity, Turns ratio: | Tolerance ± 2 % |

see page 2

Applicable documents: see page 2

Date	Name	Index	Change
22.07.14	Pf.	84	Characteristic data: $I_{DC} < 140$ mA changed to $I_{RMS} < 140$ mA (50/60Hz). Lapidary change.
14.01.14	BZ	84	Inspection 2) changed from M3011/1 to M3214. CN-712

Editor: KB-E	Design: BS.	KB-PM: Pf.	released: HH
		check	

		Specification		Item No.: T60403-K5024-X092	
K-No.: 25165		Powerline transformer			Date: 22.07.2014
Customer:			Customers part No.:		Page 2 of 3
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 $U_{p,eff} = 4 \text{ kV}$, 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					
Remark:					
The following HV test may be applied <u>one time</u> at the customer after final assembly where the <u>number of reflows has to be limited to one (max)</u> :					
$U_{p,eff} = 4 \text{ kV} / 2 \text{ s}$, N1+N2 vs N3					
Measurement has to be performed after temperature balance of the samples to room temperature. Storage conditions before test: max. 30°C / max. 50% relative humidity or max. 85°C / max. 5% relative humidity.					
Applicable documents:					
Designed, manufactured and tested in accordance to EN 60950 (IEC 60950) and complies with the standards.					
Parameters: Reinforced insulation: N1+N2 to 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					
Editor: KB-E		Design: Bs.		KB-PM: Pf. check	
				released: HH	

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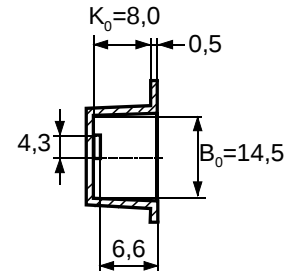
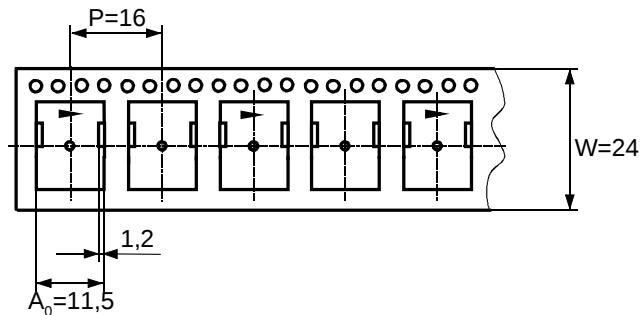
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Page 3 of 3

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

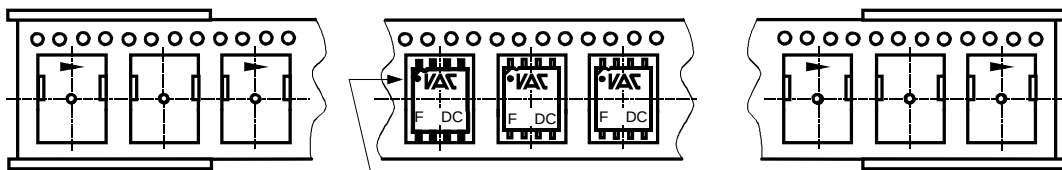
laging 25 empty pockets
 Nachlauf 25 leere Nester

cover tape 400mm longer than carrier tape
 Deckband 400mm länger als Blistergurt

Reel

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

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[T60403-K5024-X092](#)