

K-Nr.: 25964
 K-no.:

Powerline transformer

 Datum: 20.01.2012
 Date:

 Kunde: Iskraemeco
 Customer

 Kd. Sach Nr.:
 Customers part no.:

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

 Connections:
 No. 1, 4, 7, 10

Unused pin (s):

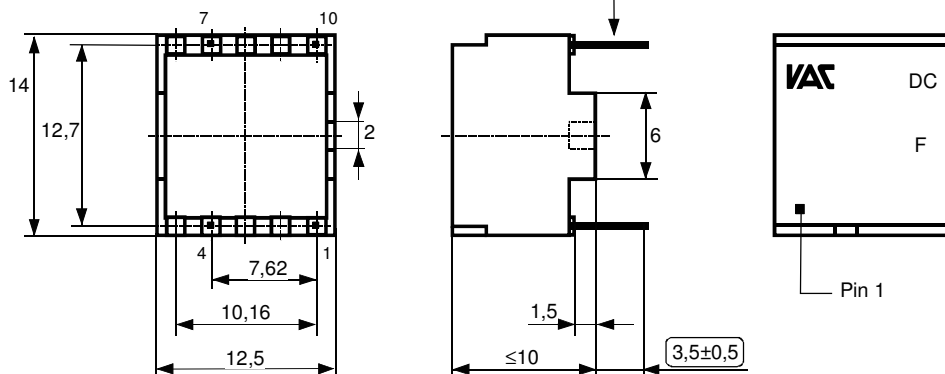
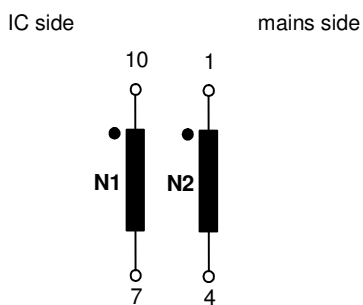
Marking:

VAC DC
 4021X142
 F

 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) DC = Date Code
 Pin 0,66x0,45 alternative 0,5 (0,52) x 0,5(0,52) F = Factory

○ = Prüfmaß / test dimension


Schematic diagram:


Turns ratio = 1,68 : 1

Operational data/ characteristic data (nominal values):
 $L_{S1} = 17 \mu\text{H} \pm 30\%$, $f = 100 \text{ kHz}$, (N2 short circuited)

 $L_{S2} = 6 \mu\text{H} \pm 30\%$, $f = 100 \text{ kHz}$, (N1 short circuited)

 $C_K \leq 17 \text{ pF}$, $f = 10 \text{ kHz}$
 $C_{W1} \leq 15 \text{ pF}$

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

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

Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Part1, SC = significant characteristic)

- | | | | | |
|-----------|------------|----------|--|--|
| 1) | (V) | M3014: | $U_{p,r.m.s} = 1,5 \text{ kV}, 2 \text{ s}$, | $N_1 \text{ vs } N_2$ |
| 2) | (AQL 0,25) | M3011/1: | $L_1 = 1,2 \text{ mH} \pm 30\%$, | $f = 10 \text{ kHz}$, $U_{AC,r.m.s} = 100 \text{ mV}$ |
| 3) | (V) | M3011/5: | $R_{Cu1} = 240 \text{ m}\Omega \pm 15\%$, | $R_{Cu2} = 170 \text{ m}\Omega \pm 15\%$ |
| 4) | (V) | M3011/6: | Polarity, Turns ratio: | Tolerance $\pm 2\%$ (SC) |
| 5) | (Fix05) | M3290: | Solderability test acc. to chapter 1 | |
| 6) | (AQL 1/S4) | M3200: | Mechanical test | |
| Type test | | M3292: | Lötwärmebeständigkeit nach Abschnitt 1
Resistance to soldering heat acc. to chapter 1 | |

Measurements after temperature balance of the test samples at room temperature

Applicable documents: Housing material, casting resin and wire UL – listed

Datum	Name	Index	Änderung
		81	

 Hrsg.: KB-E
 editor

 Bearb: Bs
 designer

 KB-PM: Ert.
 check

 freig.: RK
 released

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