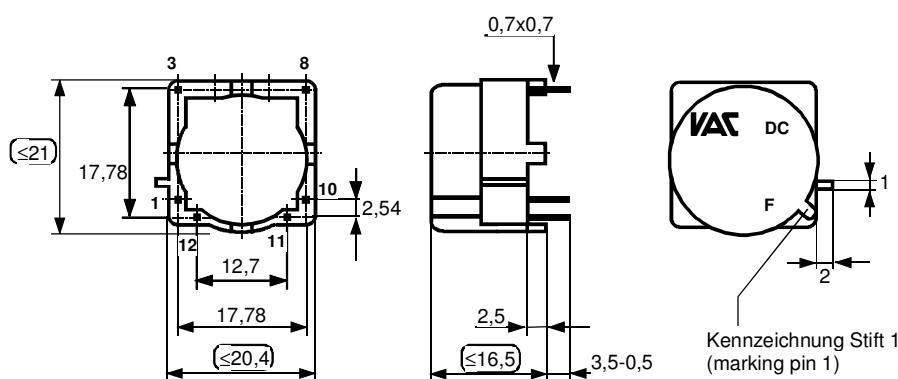


Datum: 24.01.2012
Date:

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Anschlüsse:
Connections:

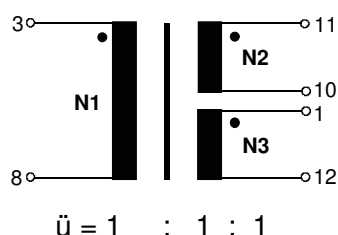
 Prüfmaß
(test dimension)



Beschriftung:
marking

VAC	DC
4215X178	F

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


$$\begin{array}{llll} U_1 = 17 \text{ V} & U_2 = 17 \text{ V} & U_3 = 17 \text{ V} & f = 60 \text{ kHz} \\ \tau \leq 0,5 & \int U dt \geq 170 \text{ } \mu\text{Vs} & P_{\text{ü}} = 10 \text{ W} & \end{array}$$

Working voltage $U_{\text{rms}} = 600 \text{ V}$

Inductance $L = 2,2 \text{ mH}$ ($f=10 \text{ kHz}$)
 Leakage inductance $L_{s1} = 0,47 \text{ }\mu\text{H}$ (N_2 short circuited,
 $f = 100 \text{ kHz}$, $U_{AC,eff} = 100 \text{ mV}$)

Coupling capacitance $C_{k1-2} = 19 \text{ pF}$ ($f = 1 \text{ kHz}$, $U_{AC,eff} = 100 \text{ mV}$)
 $C_{k1-3} = 19 \text{ pF}$ ($f = 1 \text{ kHz}$, $U_{AC,eff} = 100 \text{ mV}$)

Umgebungstemperatur / ambient temperature -40 ... +85 °C

Lagertemperatur / storage temperature -40 ... +85 °C

Prüfung: Inspection	(V: 100%-Test; AQL...: DIN ISO 2859-Teil1, SC = significant characteristic)
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1)	(V)	M3014	$U_{p,eff} = 5,25 \text{ kV},$ $U_{p,eff} = 4,5 \text{ kV},$	2 s, 2 s,	N1 gegen/vs N2+N3 N2 gegen/vs N3		
2)	(AQL 1/S4)	M3024	$U_{p,eff} = 900 \text{ V},$ $U_{TA,eff} \geq 750 \text{ V}$	2 s,	N1 gegen/vs N2+N3		
3)	(AQL 1/S4)	M3011/4	Einstellwerte / settings (N1): Prüfwert / test value:	$U_E = 8,57 \text{ V}$ $I_p \leq 0.114 \text{ A}$	$t_d = 20 \mu\text{s}$	$f_p = 1000 \text{ Hz}$	

Weitere Prüfungen auf Seite 2 / Further inspections see page 2

Weitere Vorschriften:

Applicable documents:

Datum	Name	Index	Änderung
24.01.12	Leh.	81	Operational data/characteristic data (nominal values): typo, Udt <= 170 mVs changed into >= 170μVs.
			Lapidary change.

freig.: HS
released

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K-Nr.: 25966 K-no.:	Ansteuerübertrager / Drive Transformer	Datum: 24.01.2012 Date:
Kunde: Customer	Kd. Sach Nr.: Customers part no.:	Seite 2 von 2 Page of

Prüfung: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1, SC = significant characteristic)
 Inspection

- | | | | | | |
|----|------------|---------|---|--|--|
| 4) | (V) | M3011/6 | Polarität / Übersetzung / polarity turns ratio: | Toleranz / tolerance $\pm 2 \%$ | (SC) |
| 5) | (AQL 1/S4) | M3011/5 | $R_{Cu1} = 235 \text{ m}\Omega \pm 15\%$, | $R_{Cu2} = 235 \text{ m}\Omega \pm 15\%$, | $R_{Cu3} = 235 \text{ m}\Omega \pm 15\%$ |
| 6) | (Fix 05) | M3290 | Solderability test acc. chapter 1 | | |
| 7) | (AQL 1/S4) | M3200 | Mechanical test | | |

Typprüfung:
 Type test:

Hochspannungsprüfung nach M3014
 High voltage test according M3014

$U_{p,eff} = 5,25 \text{ kV}$, 1 min, N1 gegen/vs N2+N3

Messungen nach Temperaturangleich der Prüflinge an Raumtemperatur
 Measurements after temperature balance of the samples at room temperature

Hrsg.: KB-E editor	Bearb: Sc designer		KB-PM: Yu check			freig.: HS released
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