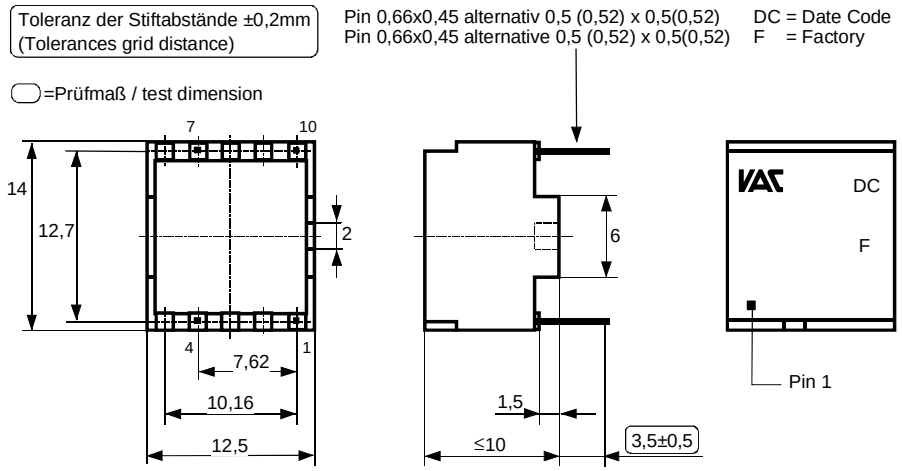
VACUUMSCHMELZE	**DATENBLATT / Specification**	**Sach Nr.:** Item no.: **T60403-K4021-X145**

K-Nr.: 26630 K-no.:	Powerline Transformer	Datum: 26.08.2015 Date:
Kunde: 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:

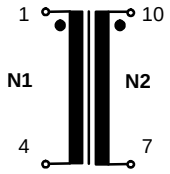


Beschriftung
(marking):

4021X145
F DC

Anschlußschema:
Schematic diagram

IC side mains side



ü = 1,7 : 1

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

f = 10…1000 kHz

I_{RMS} < 130 mA (50/60 Hz) (related to N2)

$R_{Cu1} \leq 320\ m\Omega$, $R_{Cu2} \leq 200\ m\Omega$

$L_2 \geq 342\ \mu H$, f = 10 kHz
$L_{S2} \leq 1\ \mu H$, f = 100 kHz, (N1 short circuited)
$C_K \leq 30\ pF$, f = 10 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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Applicable documents See page 2

Date	Name	Issue	Amendment
		81	

Hrsg.: KB-E editor	Bearb: Bs designer		KB-PM: Pf. check			freig.: HH check

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

1)	(V)	M3014:	$U_{p,\ r.m.s.}$ = 5,1 kV,	2 s,	N1 vs N2
2)	(V)	M3011/1:	$L_1 \geq$ 990 µH,	f = 10 kHz,	$U_{AC,r.m.s.}$ = 100 mV (SC)
3)	(V)	M3011/6:	Polarity, turns ratio:	Tolerance ± 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 kV, 1 min, N1 gegen/vs N2

2) 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