

**K-No.:** 24741

**Powerline transformer**
**Date:** 24.04.2015

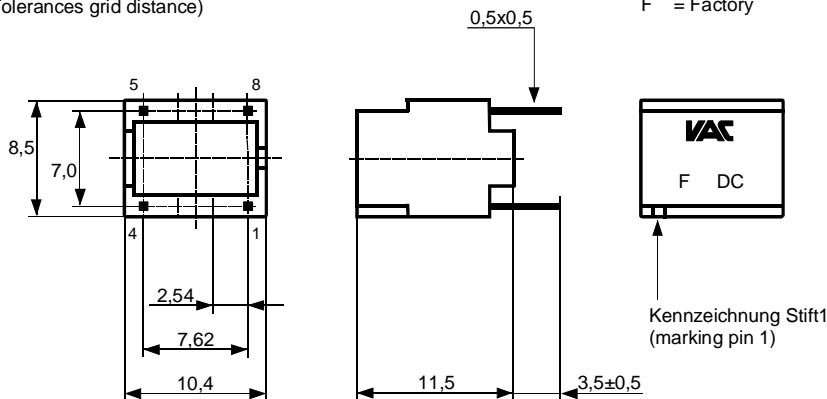
**Customer:** Standard Type

**Customers part No.:**
**Page** 1 of 2

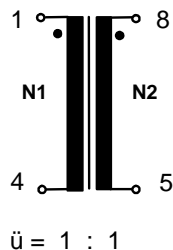
**Mechanical outline (mm):** (General Tolerances DIN ISO 2768-c)

**Connections:**

 Toleranz der Stiftabstände ±0,2mm  
 (Tolerances grid distance)

 DC = Date Code  
 F = Factory

**Beschriftung:**  
 marking

 DC  
 4085X004  
 F

**Schematic diagram:**

**Operational data/characteristic data (nominal values):**

$f = 10 \text{ kHz} \dots 1 \text{ MHz}$   
 $I_{RMS} < 30 \text{ mA (50/60Hz)}$   
 $R_{Cu1} \leq 200 \text{ m}\Omega$        $R_{Cu2} \leq 200 \text{ m}\Omega$   
 $L_{S1-2} \leq 0,80 \mu\text{H}^*$        $C_{K1-2} \leq 25 \text{ pF}^*$   
 Operating temperature:  $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$   
 Storage temperature:  $-40 \text{ }^\circ\text{C} \dots +85 \text{ }^\circ\text{C}$

\* preliminary

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

- |    |            |          |  |   |
|----|------------|----------|--|---|
| 1) | (V)        | M3014:   | $U_{p,eff} = 4.0 \text{ kV}, 2 \text{ s},$ | $N_1 \text{ vs } N_2$                             |
| 2) | (AQL 0,25) | M3011/1: | $L_1 = 1,4 \text{ mH} + / - 30 \%,$        | $f = 10 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V)        | M3011/6: | Polarity, Turns ratio:                     | Tolerance $\pm 2 \%$                              |
| 4) | (Fix 05)   | M3290:   | solderability test acc. to chapter 1       |   |
| 5) | (AQL 1/S4) | M3200    | Mechanical test                            |   |

See page 2

**Applicable documents:**

Designed, manufactured and tested in accordance to EN 60950 (IEC 950) and complies with the standards

Parameters:

Reinforced insulation: N1 → N2

Working voltage: 300 V

Insulation category: 2

Pollution degree: 2

Material group: 2

Housing material, casting resin and wire UL - listed

Date	Name	Index	Change
24.04.15	Bs	83	Typo: storage temperature changed from +120°C → +85°C. lapidary change
22.07.14	Pf	83	Characteristic data: $I_{DC} < 30 \text{ mA}$ changed to $I_{RMS} < 30 \text{ mA (50/60Hz)}$ . Lapidary change

Editor: KB-E

Design: Bs

 KB-PM: Pf.  
 check

released: HH

K-No.: 24741

**Powerline transformer**

Date: 24.04.2015

Customer: Standard Type

Customers part No.:

Page 2 of 2

Type test:

1) HV transient test according to M3064

N1 vs N2

Settings: 10  $\mu$ s / 700  $\mu$ s-waveform

$U_{p,max} = 10$  kV

$R_i = 40$   $\Omega$

10 pulses in a cycle of t = 10 seconds with changing polarity

2) M3014:  $U_{p,eff} = 4.0$  kV, 60 s, N1 vs N2

3) M3292: Resistance to soldering heat acc. to chapter 1

Measurements after temperature balance of the test samples at room temperature

Editor: KB-E

Design: Bs

KB-PM: Pf.  
check

released: HH

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Audio Transformers / Signal Transformers](#) category:*

*Click to view products by [Vacuumschmelze](#) manufacturer:*

Other Similar products are found below :

[CX2041NLT](#) [MGPWT-00449-P](#) [PE-64961](#) [H1302FNLT](#) [H5008FNL](#) [H5012FNL](#) [H5020FNLT](#) [H5077NLT](#) [H5079NLT](#) [H5084FNLT](#)  
[B78476A9558A003](#) [1812WBT2-4](#) [1879479-1](#) [HX2260FNL](#) [HX5014FNL](#) [EX2024FNL](#) [FL1066](#) [T1137NLT](#) [T3012NL](#) [PE-65812FNL](#) [PE-65848FNLT](#) [H1174FNL](#) [H1302FNL](#) [H5015FNL](#) [H5019EFNL](#) [H5062FNLT](#) [CX2047LNL](#) [MGPWT-00059-P](#) [MGPWT-00266-P](#) [MGPWT-00278-P](#) [MGPWT-00431-P](#) [TTC-100](#) [TTC-143-H](#) [TTC-5032-1](#) [BX1194WNLT](#) [HX1234NLT](#) [HX5008FNLT](#) [HX5019FNL](#) [HX5084NL](#) [3-1879385-5](#) [TX1263NLT](#) [4-1879391-0](#) [T1142NL](#) [HX6101FNL](#) [HX5084FNL](#) [HX1148NL](#) [HX5020FNLT](#) [HX5014FNLT](#) [T1124NL](#)  
[1879732-1](#)