

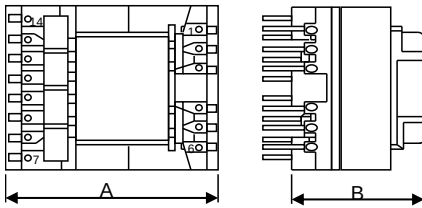
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **760871131**
 Bezeichnung : **Netzteil-Übertrager WE-UNIT**
 description : **Off-line transformer WE-UNIT**



DATUM / DATE : 2010-08-04

A Mechanische Abmessungen / dimensions :



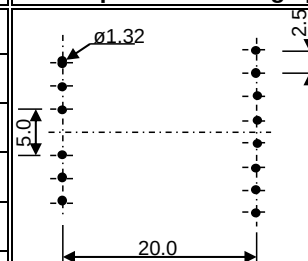
	E20/10/6	
A	25.0 max.	mm
B	16.0 max.	mm
C	21.0 max.	mm

● = Marking Pin 1
 xx = revision code

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	10 kHz / 0,1 V	L_0	1.396	mH	±10%
Windungszahlverhältnis / turns ratio	N1 : N2 : N3 : N4	TR	9.6 : 1 : 1 : 1.2		
DC-Widerstand N1 / DC-resistance N1	@ 20°C	R_{DC1}	1.60	Ω	max.
DC-Widerstand N2 / DC-resistance N2	@ 20°C	R_{DC2}	0.09	Ω	max.
DC-Widerstand N3 / DC-resistance N3	@ 20°C	R_{DC3}	0.09	Ω	max.
DC-Widerstand N4 / DC-resistance N4	@ 20°C	R_{DC4}	0.35	Ω	max.
Sättigungsstrom N1 / saturation current N1	dL/L=20%	I_{sat}	700	mA	typ.
Streuinduktivität / leakage inductance	100 kHz / 0,1V rest shorted	L_s	50.0	μH	max.
Hochspannung / hipot test	3mA, 1s N1, N4 => N2, N3	HV	4.0	kV	

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

WK3260B für / for L und / and R

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%
 Umgebungstemperatur / temperature: +20°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ ferrite
 Spulenkörper / Bobbin: UL-V0
 Draht / wire: 2UEW-F 155°C / TIW
 Kontaktmaterial / contact plating: Cu-Ni-Sn
 Tränklack / Varnish: BC346-A or equiv.

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 125°C
 Umgebungstemp. / ambient temperature: -40°C - + 85°C
 It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.
 Schaltfrequenz / Switching frequency: 60 kHz
 Bauteil für Netzanwendung / Off-line transformer

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik	TBr	Rev 02	2010-08-04
		TBr	Rev 01	2010-06-15
		TBr	Rev 00	2010-03-04
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

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Artikelnummer / part number :

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Bezeichnung :

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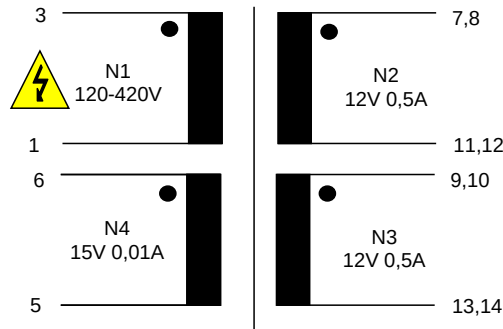
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Off-line transformer WE-UNIT



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H Schaltbild / Schematics



For output 12V/1A please put N2 and N3 in parallel!
For output 24V/0,5A please put N2 and N3 in series!

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This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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