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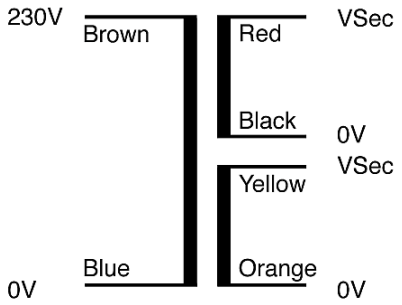
nuvotem
A Talema Group Company

Toroidal Transformer Data Sheet

80VA Open Style, with Leads.
230V Primary, Dual Secondaries

High quality open style toroidal transformers with a single 230V/50-60Hz primary winding.
Twin secondary windings may be connected in series or parallel, or used independently



Primary 230V @ 50-60Hz

Secondary: 2 x Vsec @ 40VA Each
Suitable for Series/Parallel connection

Nuvotem Part Number	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC Resistance [Ohms] @ 25'C	DEKRA Certificate
0080P1-2-009	2 x 9	4.444	2 x 10.31	2 x 0.1642	2161054.01
0080P1-2-012	2 x 12	3.333	2 x 13.60	2 x 0.2702	2161054.01
0080P1-2-015	2 x 15	2.667	2 x 17.11	2 x 0.4247	2161054.01
0080P1-2-018	2 x 18	2.222	2 x 20.50	2 x 0.5703	2161054.01
0080P1-2-025	2 x 25	1.600	2 x 28.55	2 x 1.1433	2161054.02
0080P1-2-055	2 x 55	0.727	2 x 63.33	2 x 6.2836	2161054.02

Primary Winding
Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 28 Ohms

Losses
Iron Losses 0.49 Watts approx
Copper Losses 13.8 Watts approx.

Temperature Class
Winding Wire (Primary & Secondary) Class H (180'C)
Insulation between input and output Class B (130'C)
Connection lead insulation Class A (105'C)

Standards
Approved to UL506 & UL5085 : File E215495
Approved to EN61558 : DEKRA Certificates 2161054.01 or 2161054.02 (see table above)
Conforms to EN60065, VDE0550, BS415.

Physical Data
Approximate Dimensions Diameter 93mm*
Height 38mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 0.45 Kg

Terminations
Primary: Solid copper conductors (extension of winding wire), insulated over entire length with 105°C PVC tubing
Double-insulated over entire length with 105°C PVC tubings.
150mm Long, 10mm tinned ends.

Secondary: Solid copper conductors (extension of winding wire), insulated over their entire length with 105°C PVC tubing.
150mm Long, 10mm tinned ends.

Mounting Hardware
Each transformer is supplied with a mounting kit, comprising:
Neoprene Insulating disc 2 pieces
Dished Steel Washer 1 piece

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