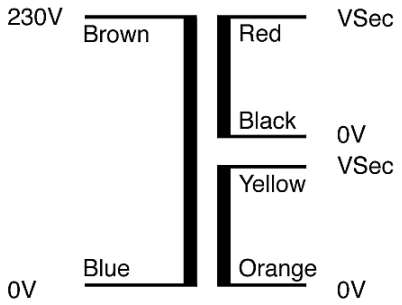
Toroidal Transformer Data Sheet

160VA 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 @ 80VA 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
0160P1-2-012	2 x 12	6.667	2 x 13.26	2 x 0.0909	2161054.01
0160P1-2-015	2 x 15	5.333	2 x 16.63	2 x 0.1469	2161054.01
0160P1-2-018	2 x 18	4.444	2 x 19.79	2 x 0.1974	2161054.01
0160P1-2-025	2 x 25	3.200	2 x 27.31	2 x 0.3772	2161054.02
0160P1-2-030	2 x 30	2.667	2 x 32.86	2 x 0.5638	2161054.02
0160P1-2-055	2 x 55	1.455	2 x 60.17	2 x 1.8566	2161054.02

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

Losses
Iron Losses 0.93 Watts approx
Copper Losses 18.0 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 and 2161054.02 (see table above)
Conforms to EN60065, VDE0550, BS415.

Physical Data
Approximate Dimensions Diameter 105mm*
Height 42mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 1.50 Kg

Terminations
Primary: Solid copper conductors (extension of winding wire), insulated over their entire length with 105°C PVC tubing. Double-insulated over entire length with 105°C PVC tubing. 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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