

Transformer Specification

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Spec No: M2720
Issue: 4

COMPONENT: 320VA TRANSFORMER.

A&H PART No: AM2720

MECHANICAL:

Construction: Toroidal.
windings to be impregnated/treated to prevent mechanical vibration/buzz.

Dimensions: Diameter must not exceed 135mm by 110mm High.
All fixings (e.g. nuts, bolts, etc...) and terminations (e.g. tags, flying leads, etc...) **must not** exceed the maximum dimensions specified.

Fixing(s): Threaded insert centrally positioned in a potted core.
Finish: As defined by relevant safety standards. see general

ELECTRICAL:

Supply Range: 100V, 110V, 120V, 220V, 230V, 240V @ 50/60Hz.
Supply tolerance: $\pm 10\%$ for all settings.
Rating: 320VA.
Load: Constant.
Temp rise: $< 50^{\circ}\text{C}$ above ambient.
Primary: 0 – 10V – 100V – 120V – 220V – 240V multitapped
Secondary: 0 - 18.5 - 21.5V $\pm 0.25\text{V rms}$ @ 8A. Regulation 5%.
0 - 18.5 - 21.5V $\pm 0.25\text{V rms}$ @ 8A. Regulation 5%.
0 – 55V $\pm 0.50\text{V rms}$ @ 0.4A. Regulation 10%.
The transformer must operate on full load within $\pm 10\%$ of the nominal voltage on each primary tapping. (except 10V tap)

Terminations: flying leads length 35cm
16/0.2 tri-rated primary winding
24/0.2 tri-rated secondary winding (for 8A windings)
16/0.2 tri-rated secondary winding (for 0.4A winding)
all terminations to be on one side only.

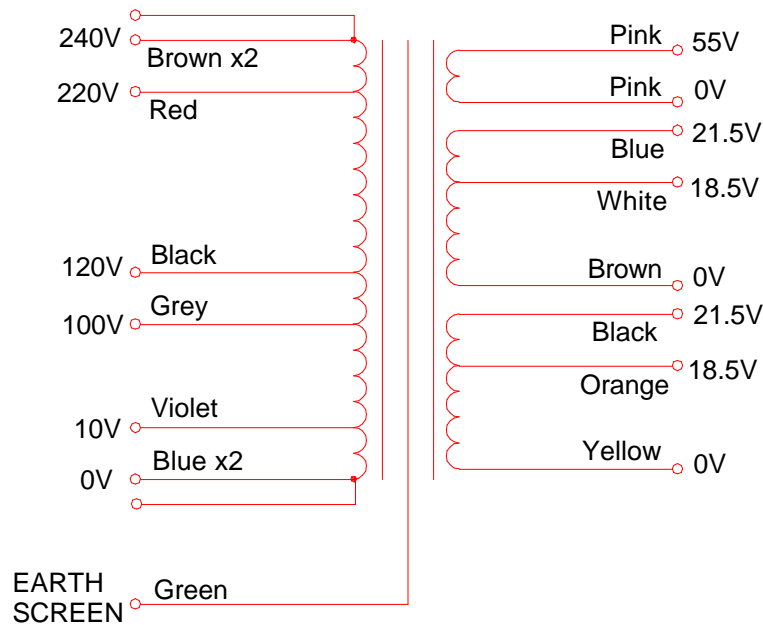
GENERAL:

APPROVALS: MUST CONFORM TO ALL RELEVANT U.K. (BS) EUROPEAN (EN), U.S. (UL) AND CANADIAN (CSA) SAFETY STANDARDS.

The transformer will be used in a 19" rack mounted linear power supply unit that will be submitted for safety approval to EN60065 UL6500 and CSA-E65. It will be tested as part of that assembly.

IDENTIFY TERMINATIONS WITH EITHER VOLTAGE OR COLOUR CODED WIRE.

IDENTIFY TRANSFORMER WITH A&H PART No: SUPPLIER NAME AND BATCH. REFERENCE.



For a toroidal transformer the diameter must not exceed the maximum diameter specified.

