



INA 6501 MANUAL STEP TRANSFORMER



The step-transformer type INA 6501 is a standard accessory for the Schaffner Modula 6000 instrumentation series. It provides a convenient means of reducing the incoming supply voltage by pre-set amounts. It is required for power quality testing (PQT) as per IEC/EN 61000-4-11 for voltage dips and under-voltages.

It is fitted with carrying handles as part of its overall good ergonomic design, which makes for ease of handling. Further, the unit may be used in any of three operating positions; laying or standing on a workbench, or for more permanent applications, it can be wall-mounted.

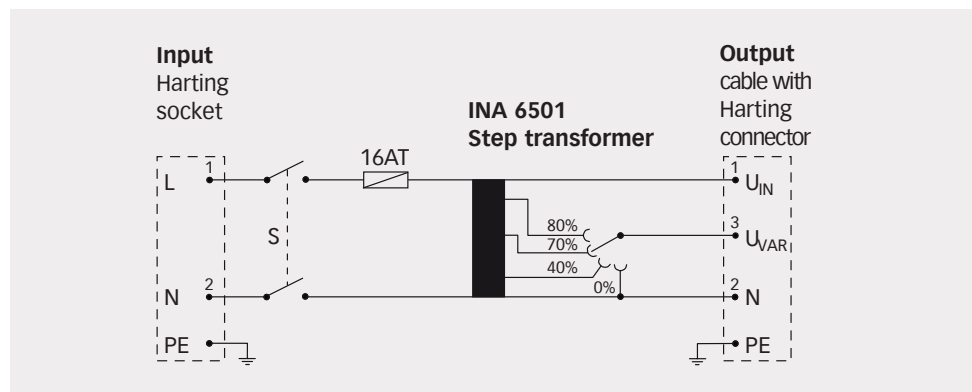
The few control elements are readily accessible on the front panel. An EUT power on/off switch with a power on indicator and a well-proportioned rotary switch to select the required voltage ensure easy and intuitive operation.

The unit has been designed for use in rugged industrial environments. Professional quality connectors ensure user safety, additional system protection is provided by a 16 A fuse located in the front panel.

Thanks to the provision of an 80% voltage position and to the large overcurrent capabilities the step transformer is fully compliant with the latest requirements called for in the IEC/EN 61000-4-11 standard.

- Integrated function unit to Modula system
- Power line dips to 0%, 40%, 70% and 80%
- Complies with IEC/EN 61000-4-11
- Sturdy design with industrial connectors

Block diagram



INA 6501

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Technical information:

Input voltage UIN:	0 to 250 VAC, 50/60 Hz
Output voltage UVAR:	4 steps: 0% - 40% - 70% - 80% of UIN
Accuracy:	±5%
Voltage change with load:	
100% output, 0 to 16 A	less than 5%
80% output, 0 to 20 A	less than 5%
70% output, 0 to 23 A	less than 5%
40% output, 0 to 40 A	less than 5%
Output current capability at	
230 V input voltage:	16 Arms at 100% output
	20 Arms at 80% output, for 5 s
	23 Arms at 70% output, for 5 s
	40 Arms at 40% output, for 5 s
Voltage selection:	Front panel rotary switch
EUT power on/off function:	Front panel switch with power on indicator
Fuse:	16 A, slow-blow
Connectors:	Harting type HAN3A, compatible with Modula safe power linking concept
Dimensions L x W x H:	360 x 180 x 150 mm (14.2 x 7.1 x 5.9")
Weight:	12 kg (26.5 lbs) approx.
Cable length to Modula:	2 m (79")
Input cable:	Modula standard cable to be used