

# V 4780 SERIES

## SINGLE PHASE TAPPED TRANSFORMER FOR DIPS AND SHORT INTERRUPTIONS



### FOR TESTS ACCORDING TO ...

- > EN 61000-4-11
- > EN 61000-6-1
- > EN 61000-6-2
- > IEC 61000-4-11

### V 4780 SERIES - TAPPED TRANSFORMERS FOR TESTING VOLTAGE DIPS AND INTERRUPTIONS

Voltage dips and short interruptions simulate a reduction of the power supply voltage for a certain period of time. Four different test levels are required as per IEC/EN 61000-4-11.

The V 4780 Series of tapped transformer are used to simulate power supply failures such as voltage dips and interruptions providing taps with 40 %, 70 %, 80 % and a direct output with 100 % of the nominal mains supply voltage. Depending on the model the taps are selected manually or by means of the 0-10 V DC signal provided by the test generator.

#### HIGHLIGHTS

- > Tapped transformer in a compact size
- > Fixed taps at 40 %, 70 % and 80 % of nominal voltage
- > Suitable for 100 V, 115 V and 230 V mains supplies
- > Nominal current 16 A, short-term up to 40 A for 5 seconds

#### APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  RESIDENTIAL

**TECHNICAL DETAILS**

**MODEL OVERVIEW**

V 4780 SERIES - SINGLE PHASE TAPPED TRANSFORMERS	
V 4780	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, manual tap selection, nominal current 16 A
V 4780S1	single phase autotransformer, with taps at 40 %, 70 %, 80 % and 120 %Un, manual tap selection, nominal current 16 A
V 4780S2	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, automatic tap selection, nominal current 16 A
V 4780S3	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, automatic tap selection, nominal current 32 A
other models on request	

**V 4780**

TECHNICAL DATA	
Input voltage	max. 250 V (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin
Output current	max. 16 A
Input connector	Mains supply plug (depends on the country of use)
Output connectors	4mm safety lab connectors

GENERAL DATA	
Dimensions	95 mm x 170 mm x 190 mm (H x W x L)
Weight	approx. 7 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 16 A
Temperature	10 - 35 °C
Rel. humidity	10 - 90 %, non-condensing

**V 4780S1**

TECHNICAL DATA	
Input voltage	max. 250 V at (50 Hz/60 Hz)
Output voltage	120 % Vin, 100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin
Output current	max. 16 A
Input connector	Mains supply plug (depends on the country of use)
Output connectors	4 mm safety lab connectors

GENERAL DATA	
Dimensions	95 mm x 170 mm x 190 mm (H x W x L)
Weight	approx. 7 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 16 A
Temperature	10 - 35°C
Rel. humidity	10 - 90 %, non-condensing

## TECHNICAL DETAILS

## V 4780S2

## TECHNICAL DATA

Input voltage	max. 250 V at (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin, automatically controlled
Output current	max. 16 A
Input connector	Mains supply plug (depends on the country of use)
Output connectors	4 mm safety lab connectors
Remote control	BNC connector, 0-10 V DC signal

## GENERAL DATA

Dimensions	95 mm x 170 mm x 190 mm (H x W x L)
Weight	approx. 7 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 16 A
Temperature	10 - 35°C
Rel. humidity	10 - 90 %, non-condensing

## V 4780S3

## TECHNICAL DATA

Input voltage	max. 250 V at (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin, automatically controlled
Output current	max. 32 A
Input connector	Mains supply plug or open end (depends on the country of use)
Output connectors	4 mm safety lab connectors
Remote control	BNC connector, 0-10 V DC signal

## GENERAL DATA

Dimensions	19", 3 HU
Weight	approx. 15 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 35 A
Temperature	10 - 35°C
Rel. humidity	10 - 90 %, non-condensing

# COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.