

3.24 SUPPLEMENTARY PROTECTION DEVICE – A device intended for use as overcurrent, over- or under-voltage, or over-temperature protection within electrical equipment where branch circuit overcurrent protection is already provided, or is not required.

3.25 SUPPRESSED VOLTAGE RATING (SVR) – A rating (or ratings) selected by the manufacturer from Table 60.1 and based on the measured limiting voltage determined during the transient-voltage surge suppression test.

3.26 SURGE – A transient wave of current, potential or power in an electric circuit. For the purposes of this standard, surges do not include temporary overvoltages (TOV) consisting of an increase in the power frequency voltage for several cycles.

3.27 SURGE PROTECTIVE DEVICE (SPD) – A device composed of any combination of linear or non-linear circuit elements and intended for limiting surge voltages on equipment by diverting or limiting surge current; it prevents continued flow of follow (power) current and is capable of repeating these functions as specified.

3.28 TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) – A surge protective device intended for connection electrically on the load side of the main overcurrent protection in circuits not exceeding 600 volts rms.

3.29 TWO-PORT TVSS – A TVSS having provisions (terminals, leads, plug) for connection to the ac power circuit and provisions (terminals, leads, receptacles(s)) for supplying current to one or more ac power loads. TVSS provided with a minimum of two adjacent terminals for each circuit conductor may be considered and tested as a two-port TVSS.

4 Components

Section 4 effective February 16, 1998

4.1 Except as indicated in 4.2, a component of a product covered by this Standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this Standard.

4.2 A component need not comply with a specific requirement that:

- a) Involves a feature or characteristic not needed in the application of the component in the product covered by this Standard, or
- b) Is superseded by a requirement in this Standard.

4.3 Specific components are recognized as being incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits and shall be restricted to use only under those specific conditions for which they have been recognized.

5 Units of Measurement

Section 5 effective February 16, 1998

5.1 If a value for measurement is followed by a value in other units in parenthesis, the first value is the requirement.

5.2 All units of voltage and current specified in this standard are root-mean-square values unless otherwise indicated.