

IEC 950 (EN60 950) SAFETY STANDARD

The IEC 950 (EN60 950) is a recognised safety specification for information technology equipment and associated business equipment.

Its purpose is to provide protection to the operator and other personnel who are likely to come into contact with the equipment.

This standard applies to the European Economic Community under the designation EN60 950.

Manufacturers must ensure compliance of equipment falling within the scope of EN60 950 when trading within the EEC.

It should be noted that this standard is applicable to equipment only, and as such no certification to IEC 950 (EN60 950) can be obtained for the filter alone.

LEAKAGE CURRENTS

Leakage currents are measured in accordance with IEC348 (BS4743) and are given as leakage current per line.

In normal single phase use, the leakage current will be that for one line.

For three phase operation, with balanced voltages, the resultant earth leakage current

will be much smaller than the value given for one line. For other voltages and frequencies, leakage current is directly proportional to voltage and frequency: 1mA leakage at 250V, 50Hz is equivalent to:

$1\text{mA} \times \frac{120}{250} \times \frac{60}{50} = 0.576\text{mA}$
at 120V, 60Hz.

CURRENT RATING

Current ratings are given for ambient temperatures up to 40°C.

For temperatures above 40°C, derate I^2 linearly to zero at 85°C using the formula:

$$I_{ta} = I_{\text{rated}} \sqrt{\frac{85 - t_a}{45}}$$

The t_a is measured in °C. For other ratings or specifications, please contact our engineering department.