The IP rating system provides a means of classifying the degrees of protection from dust, water and impact afforded by electrical equipment and enclosures. The system is recognised in most European countries and is set out in a number of British and European standards. These include BS 5490:1977 (IEC 529:1976) Classification of Degrees of Protection Provided by Enclosures, BS 5420:1977

(IEC144:1963) Specification for Degrees of Protection of Enclosures of Switchgear and Control Gear for Voltages up to and including 1000V a.c. and 1200V d.c.

Details of a third IP numeral are also shown. Whilst not specified by the British Standards Institute, this figure is used in corresponding international standards, to indicate degrees of resistances to impact.

