IP RATING CHART

Protection of persons and protection of equipment indicated by the IP code.

Protection provided by enclosures for electrical equipment is indicated by the IP codes two:

CHARACTERISTIC NUMERALS

IP□□

The first numeral indicates protection of persons against access to hazardous parts, and protection of equipment against ingress of solid foreign objects. (see AS 1939, Clause 5)

The second numeral indicates protection of equipment against harmful ingress of water. (see AS 1939, Clause 6)

The "flash" symbol indicates hazardous parts (live or moving)

X	Protection unspecified (untested)	X	Protection unspecified (untested)
0	Non-protected	0	Non-protected
1	Protection of the back of the hand against accidental access to hazardous parts, and protection of equipment against objects larger than 50mm.	1	Protection against drops of water falling vertically.
2	Protection of fingers against access to hazardous parts, and protection of equipment against objects larger than than 12.5mm.	2	Protection against drops of water falling vertically when the object is tilted up to 15fl from its normal position (in any direction)
3	Protection of persons holding tools or wires (larger than 2.5mm diameter), and protection of equipment against objects larger than 2.5mm (e.g. ball bearings)	3	Protection against spraying water at up to 60fl from the vertical.
4	Protection of persons holding small tools or wires (larger than 1mm diameter), and protection of equipment against objects larger than 1mm. (e.g. ball bearings)	4	Protection against splashing and spraying water from all practicable directions.
5	Protection against entry of dust in sufficient quantity to interfere with satisfactory operation of equipment.	5	Protection against low pressure jets of water from all practicable directions.
6	Complete protection against entry of dust.	6	Protection against heavy seas or a strong jet of water from all practicable directions.
		7	Protection against temporary immersion.
		8	Protection against continuous submersion (tests subject to agreement, but no less severe than second numeral 7)