







INGRESS PROTECTION (IP) RATING









PROTECTION AGAINST SOLIDS

	TEST	PROTECTION
X	No test applied.	No specific protection.
0	No test applied.	Inherent degree of protection.
1		Protected against solid objects larger than 50mm (eg. accidental contact with hand).
2		Protected against solid objects larger than 12mm (eg. contact with finger).
3		Protected against solid objects larger than 2.5mm (eg. tools and wires).
4		Protected against solid objects larger than 1mm (eg. fine tools and wires).
5		Protected against quantities of dust that could interfere with satisfactory operation.
6		Completely protected against dust.

Defined by IEC 529
DIN 40050 CEI 70-1






To Australian Standards AS 1939 - 1991
'Classification of degrees of Protection'
Provided by enclosures for electrical
equipment.

PROTECTION AGAINST LIQUIDS

	TEST	PROTECTION
X	No test applied.	No specific protection.
0	No test applied.	Inherent degree of protection.
1		Protected against drops of water falling vertically.
2		Protected against drops of water falling at up to 15° from the vertical.
3		Protected against spraying water at up to 60° from the vertical.
4		Protected against splashing water from all directions.
5		Protected against jets of water from all directions.
6		Protected against jets of water of similar force to heavy seas.
7		Protected against the effects of immersion.
8		Protected against the effects of submersion.

Defined by IEC 529

PROTECTION AGAINST IMPACT

	TEST	PROTECTION
X	No test applied.	No specific protection.
1		Resistant to impacts of weight up to 150g falling from 15cm.
3		Resistant to impacts of weight up to 250g falling from 20cm.
5		Resistant to impacts of weight up to 500g falling from 40cm.
7		Resistant to impacts of weight up to 1.5kg falling from 40cm.
9		Resistant to impacts of weight up to 5kg falling from 40cm.

Defined by UTE 20010