



Ingress Protection: IP
SANS IEC 60529

FIRST DIGIT NUMERAL	PROTECTION AGAINST INGRESS OF SOLID FOREIGN OBJECTS	SECOND DIGIT NUMERAL	PROTECTION AGAINST INGRESS OF WATER
0	No protection.	0	No protection.
1	Protection against ingress of solid foreign bodies > 50mm diameter.	1	Protection against vertically falling drops.
2	Protection against ingress of solid foreign bodies \geq 12.5 mm diameter.	2	Protection against vertically falling drops with enclosure tilted up to 15°.
3	Protection against ingress of solid foreign bodies \geq 2.5 mm diameter.	3	Protection against water spray at any angle up to 60° from the vertical.
4	Protection against ingress of solid foreign bodies \geq 1.0 mm diameter.	4	Protection against splashing liquid splashed from any direction.
5	Protection against ingress of dust in an amount sufficient to interfere with satisfactory operation of the equipment used.	5	Protection against a jet of water projected by a nozzle from any direction.
6	Complete protection against ingress of dust.	6	Protection against powerful water jets from any direction.
		7	Protection against temporary immersion in water (1m deep).
		8	Protection against continuous immersion in water (usually 2m deep).