



PROTECTION CLASSIFICATIONS

IP rating

1 st Digit	Protection Against Solid Bodies	2 nd Digit	Protection Against Liquids
0	No Protection	0	No Protection
1	Protection against solid objects over 50 mm. (e.g. accidental touch by hand)	1	Protection against vertically falling drops of water.
2	Protection against solid objects over 12 mm. (e.g. fingers)	2	Protection against drops of water falling at an angle up to 15° from vertical.
3	Protection against solid objects over 2.5 mm. (e.g. tools. wires)	3	Protection against rain falling at an angle up to 60° from vertical.
4	Protection against solid objects over 1 mm. (e.g. tools. Small wires)	4	Protection against water splashing from all direction.
5	Protection against dust – limited ingress. (no harmful deposits)	5	Protection against jets of water from any direction.
6	Complete protection against dust.	6	Protection against strong jets of water from any direction. (e.g. sea waves)
		7	Protection against temporary immersion between 15mm and 1m depth.
		8	Protection against prolonged immersion under pressure.

For more detailed information, please refer IEC Standard IEC60529