

IP code rating.

This IP code acts as a degree of protection indication. Its to indicate the level of protection for equipment from foreign bodies or liquid, and also to prevent persons from coming into contact with the live and moving part, which may cause injuries or even death; this could lead into equipment brake down. This equipment is usually content by an enclosure.

This code is come in three-digit indication; each of them is representing a specific degree of protection as follow.

First Digit Protection against solid object.	Second Digit Protection against liquids.	Third Digit Protection against impacts.
"0" No protection	"0" No protection	"0" No protection
"1" Protection against solid object over 50mm eg. hands	"1" Protection against vertically falling drops of liquids.	"1" Impact protection of 150g from a distance of 15cm le. 0.225 joule.
"2" Protection against solid object over 12mm eg. Fingers	"2" Protection against sprays of liquids up to 15° from the vertical.	"2" Impact protection of 250g from a distance of 15cm le. 0.375 joule.
"3" Protection against solid object over 2.5mm eg, wire or tools	"3" Protection against sprays of liquids up to 60° from the vertical.	"3" Impact protection of 250g from a distance of 20cm le. 0.50 joule.
"4" Protection against solid object over 1mm eg. Tools, wire or small wires.	"4" Protection against sprays of liquid from all direction, with limited deposition.	"5" Impact protection of 500g from a distance of 40cm le. 2.00 joule.
"5" Protection against dust, limited amount (non harmful deposition).	"5" Protection against low pressure jets of liquid from all direction, with limited deposition.	"7" Impact protection of 1.5kg from a distance of 40cm le. 6.00 joule.
"6" Totally protection against dust.	"6" Protection against high pressure jets of liquid from all direction, with limited deposition, eg. Shipdecks washing.	"9" Impact protection of 5kg from a distance of 40cm le. 20.00 joule.
	"7" Protection against the effect of immersion between 15cm to 1meter.	
	"8" Protection against long periods of immersion under pressure.	