

Weather Proof Rating Chart (IP CODE)

The **Ingress Protection** (IP Code) standard rating system defines the degree of weather proof protection provided against solid objects and water. This standard is defined by the IP number, which has the letters "IP" followed by two numbers (e.g. IP66). The first number defines the protection against solid objects while the second number defines the protection against water. The table shown below lists the IP ratings and their level of protection.

First Number	Protection Against Solid Objects	Second Number	Protection Against Water
0	No protection	0	No protection
1	Protected against solid objects over 50mm (e.g. accidental touch by hands)	1	Protected against vertically falling drops of water
2	Protected against solid objects over 12mm (e.g. fingers)	2	Protected against vertical direct sprays up to 15°
3	Protected against solid objects over 2.5mm (e.g. tools and wires)	3	Protected against vertical direct sprays up to 60°
4	Protected against solid objects over 1mm (e.g. tools, wires and small wires)	4	Protected against sprays from all directions - limited ingress permitted
5	Protected against dust - limited ingress (no harmful deposit)	5	Protected against low pressure jets of water from all directions - limited ingress permitted
6	Completely protected against dust	6	Protected against strong jets of water (e.g. for use on ship decks) - limited ingress permitted
		7	Protected against the effects of temporary immersion between 15cm and 1m - tested for 30 minutes
		8	Protected against long periods of immersion under pressure