

IP Code

The IP Code (Ingress Protection or International Protection) classifies and rates the degree of protection provided against the intrusion of solid objects and water in mechanical casings and with electrical enclosures.

IP-□□

Second Characteristic Numeral . . . Protection level of Ingress of Water with Harmful Effects

First Characteristic Numeral . . . Protection level of Ingress of Solid Foreign Objects

· Degree of protection indicated by the First Characteristic Numeral

Level	Contents
0	Non-Protected
1	Protected against solid foreign objects 50mm in diameter or greater
2	Protected against solid foreign objects 12.5mm in diameter or greater
3	Protected against solid foreign objects 2.5mm in diameter or greater
4	Protected against solid foreign objects 1.0mm in diameter or greater
5	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment
6	Dust-tight: complete protection against contact

Example "IP65"

- The first characteristic numeral "6" means that the product is completely protected against contact of dust.
- The second characteristic numeral "5" means that the product is protected against water jets from any direction.

· Degree of protection indicated by the Second Characteristic Numeral

Level	JIS C 0920	Contents
0	—	Non-Protected
1	drip proof I	Protected against vertically falling water drops.
2	drip proof II	Protected against vertically falling water drops angled within 15 degree
3	rain proof	Protected against spraying water
4	splash proof	Protected against splashing water
5	jet proof	Protected against water jets from any direction
6	water tight	Protected against powerful water jets from any direction
7	immersion proof	Protected against the effects of temporary immersion in water
8	submersion proof	Protected against the effects of continuous immersion in water