

IP (Ingress Protection)

Codes define how well an enclosure protects against the external environment.

As the number gets higher, the protection gets better.

The first digit defines the protection level against "solids", the second against "liquids". You MUST use both digits to define an enclosure.

For the first digit:

0 = No protection

1 = Protected against objects greater than 50 mm diameter

2 = Protected against objects greater than 12 mm diameter

3 = Protected against objects greater than 2.5 mm diameter

4 = Protected against objects greater than 1.0 mm diameter

5 = Dust protected

6 = Dust tight

For the second digit:

0 = Not protected

1 = Protected against dripping water (i.e. vertical plane)

2 = Protected against dripping water up to 15 degree angle

3 = Protected against spraying water

4 = Protected against splashing water

5 = Protected against water jets

6 = Protected against heavy seas

7 = Protected against effects of immersion

8 = Protected against submersion