



The IP Code (or Ingress Protection Rating) consists of the letters IP followed by two digits. As defined in international standard IEC 60529, it classifies the degrees of protection provided against the intrusion of solid objects (including body parts like hands and fingers), dust, accidental contact, and water in electrical enclosures.

INGRESS PROTECTION



Protected against access from object greater than:

Protected against access from water in the form of:

1 50mm Ø

2 12mm Ø

3 2.5mm Ø

4 1.0mm Ø

5 **2-8 hours**
Dust protected. Limited ingress of dust permitted

6 **2-8 hours**
Dust tight. No ingress of dust

IP54 = Dust protected and can be subjected to splashing water

IP66/67 = Dust tight and can be subjected to both powerful water jets and temporary water immersion

1 Vertically falling water drops

2 Vertically falling water drops; enclosure tilted up to 15°

3 Spraying water at an angle up to 60° from vertical

4 Splashing water at any angle

5 Water jets against the enclosure at any angle

6 Powerful water jets against the enclosure at any angle

7 Temporary immersion in water

8 Continuous immersion in water

Note: water protection rating 7 and 8 are required **IN ADDITION** to 6 and below