IP Rating Chart

IP ratings are represented by combining the first and second digits of the following columns. See example below.

1st Digit - SOLID
Degree of protection against solid objects

0: No Protection
1: Protected against a solid object greater than 50mm, such as a hand.
2: Protected against a solid object greater than 12.5mm, such as a finger.
3: Protected against a solid object greater than 2.5mm such as a wire.
4: Protected against a solid object greater than 1.0mm, such as a thin strap.
5: Dust Protected. Prevents ingress of dust sufficient to cause harm.
6: Dust tight. No ingress of dust.

2nd Digit - LIQUID
Degree of protection against water

0: No Protection
1: Protected against water drops.
2: Protected against water drops at a 15 degree angle.
3: Protected against water spray at 60 degree angle.
4: Protected against water splashing from any angle.
5: Protected against water jets from any angle.
6: Protected against powerful water jets and heavy seas.
7: Protected against the effects of temporary submersion in water. (30 minutes at 3 feet)
8: Protected against the effects of permanent submersion in water. (Up to 13 feet)

Example:

IP 65
- Protected against water jets from any angle.
- Dust tight. No ingress of dust.