



IP Ratings

Also known as **Ingress Protection**. It shows how effective an electrical enclosure is in blocking dust, moisture, liquids, and accidental contact. Measured numerically, with 0 at the lowest.



Indicates level of protection against various solids (dust, tools, fingers, etc.)

Indicates level of protection against various liquids (sprays, drips, submersion, etc.)

Protection against objects larger than 50mm



Protection against splashing water

Protection against objects larger than 12.5mm



Protection against water jets

Protection against objects larger than 2.5mm



Protection against powerful water jets

Protection against objects larger than 1mm



Protection against being immersed in 1 meter of water for 30 minutes

Protection against dust



Protection against being immersed in 1+ meters of water for long periods

Dust-tight



Protection against powerful water jets with high temperatures



IK Ratings

Refers to **impact protection** that indicates how resistant an electrical enclosure is against any mechanical impact.



Protection against being 0.14 joules of impact



Protection against being 1.0 joules of impact



Protection against being 0.20 joules of impact



Protection against being 2.0 joules of impact



Protection against being 0.35 joules of impact



Protection against being 5.0 joules of impact



Protection against being 0.50 joules of impact



Protection against being 10.0 joules of impact



Protection against being 0.70 joules of impact



Protection against being 20.0 joules of impact