



Ingress protection

IP(Ingress Protection) ratings are defined by IEC 60529, which specifies the degree of protection provided against the ingress of solids and liquids. The rating is expressed as IP followed by two digits: the first digit indicates protection against solids (0-6) and the second digit indicates protection against liquids (0-6).

IP65: IP65 indicates that the enclosure is dust-tight and protected against water jets sprayed from any direction. IP67: IP67 indicates that the enclosure is dust-tight and protected against temporary immersion in water up to 1 meter deep for up to 30 minutes.

IP 68: IP 68 indicates that the enclosure is dust-tight and protected against continuous immersion in water under conditions specified by the manufacturer.

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For electronic indicators, which often provide critical visual feedback, ensuring adequate protection against solids and liquids is key. This is where IP (Ingress Protection) ratings come in.

What is the IP Rating System? The Ingress Protection (IP) rating system is a way to measure how well an enclosure protects electronic devices from solid particles and water. This system uses a two-digit number to clearly indicate the level of protection.



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