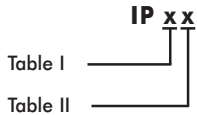


IP RATINGS

**Degree of protection to IEC 60529 BS EN60529**

**IP Ratings Guide**

The IP classification system designates the degree of protection provided by an enclosure against solid objects or water ingress. Table I shows degrees of protection against solid objects, Table II shows degrees of protection against water.



**Table I (1st characteristic numeral)**

Degree of Protection against solid objects

	Digit	
	0	Non-protected
	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 wire or a tool.
	4	Protected against a solid object greater than 1.0mm, such as wire or thin strips.
	5	Dust-protected. Prevents ingress of dust sufficient to cause harm.
	6	Dust tight. No ingress of dust.

**Table II (2nd characteristic numeral)**

Degree of Protection against water

	Digit	
	0	Non-protected
	1	Protected against dripping water.
	2	Protected against dripping water when tilted up to 15°.
	3	Protected against spraying water at an angle of up to 60°.
	4	Protected against splashing water from any direction.
	5	Protected against jets of water from any direction.
	6	Protected against heavy seas or powerful jets of water. Prevents ingress sufficient to cause harm.
	7	Protected against the effects of temporary immersion in water.
	8	Protected against the effects of continuous immersion in water.

**Degree of protection to DIN 40050-9**

	69k	Protected against very high pressure, high temperature wash-down test.
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