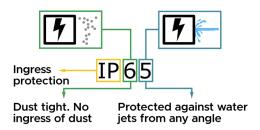


DEGREES OF IP PROTECTION

IP is an acronym "Ingress Protection". It is a measurement of the protection an item will have against solid objects (dust, sand, dirt, etc.) and liquids. An IP rating is comprised of 2 numbers. The first number refers to the protection against solid objects (dust, etc.) and the second number refers to protection against liquids.



What is an IP Rating?

Each IP rating has two numbers, both of which give you information about the protection level. A higher number means greater protection against solids and liquids.

- The first number (0-6) refers to the level of protection against solid objects and moving parts, such as dust, debris, or other solid matter.
- The second number (0-8) references the level of liquid and moisture protection.

Take a look at the chart below to better understand the protection offered with each number.

IP rating chart

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

1 st DIGIT - SOLID		DEGREE OF PROTECTION AGAINST SOLID OBJECTS	2 nd DIGIT- WATER		DEGREE OF PROTECTION AGAINST WATER
		No protection			No protection
1	7 50 mm	Protected against a solid object greater than 50mm, such as a hand		1	Protected against water drops
2	12.5 mm	Protected against a solid object greater than 12.5mm, such as a finger			Protected against water drops at a 15-degree angle
3	2.5 mm	Protected against a solid object greater than 2.5mm, such as a small tool			Protected against water spray at a 60-degree angle
4		Protected against a solid object greater than 1.0mm, such as a wire			Protected against water splashing from any angle
5	/	Dust protected. Prevents ingress of dust sufficient to cause harm		4	Protected against water jets from any angle
6		Dust tight. No ingress of dust		4	Protected against powerful jets from any angle and temporary flooding
				4	Protected against the effects of temporary submersion in water (30 minutes at 0.15 to 1 meter)
				4	Protected against the effects of permanent submersion in water (up to 3 meters). Depth specified by manufacturer