

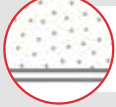
WHAT IS IP?

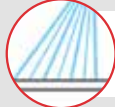
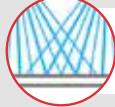
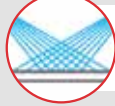
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The IP Code: International Protection Marking; IEC Standard 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion into mechanical casings and electrical enclosures from body parts such as hands and fingers as well as dust and water.

IP RATING CHART

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

1ST DIGIT - SOLID		
DEGREE OF PROTECTION AGAINST SOLID OBJECTS		
	No Protection	0
	Protected against a solid object greater than 50 mm, such as a hand.	1
	Protected against a solid object greater than 12.5 mm, such as a finger.	2
	Protected against a solid object greater than 2.5 mm, such as a wire.	3
	Protected against a solid object greater than 1.0 mm, such as a tie strap.	4
	Dust protected. Prevents ingress of dust sufficient to cause harm.	5
	Dust tight. No ingress of dust.	6

2ND DIGIT - LIQUID		
DEGREE OF PROTECTION AGAINST WATER		
	No Protection.	0
	Protected against water drops.	1
	Protected against water drops at a 15 degree angle.	2
	Protected against water spray at a 60 degree angle.	3
	Protected against water splashing from any angle.	4
	Protected against water jets from any angle.	5
	Protected against powerfully jetting water.	6
	Protected against the effects of temporary submersion in water (30 minutes at 3 feet).	7
	Protected against the effects of permanent submersion in water (up to 13 feet).	8