

IP (Ingress Protection) Ratings Guide

according to PN-EN 60529:2003

The IP protection class is represented by a combination of two digits.

First digit defines the degree of protection against solid objects.

Second digit defines protections against water.

1st DIGIT	SOLIDS - level of ingress protection	2nd DIGIT	WATER - level of ingress protection
0	No protection.	0	No protection.
1	Protected against a solid object greater than 50 mm.	1	Protected against water drops.
2	Protected against a solid object greater than 12,5 mm.	2	Protected against water drops at a 15 degree angle.
3	Protected against a solid object greater than 2,5 mm.	3	Protected against water spray at 60 degree angle.
4	Protected against a solid object greater than 1,0 mm.	4	Protected against water splashing from any angle.
5	Dust protected. Prevents ingress of dust sufficient to cause harm.	5	Protected against water jets from any angle.
6	Dust tight. No ingress of dust.	6	Protected against powerful water jets and heavy seas.
		7	Protected against the effect of immersion between 15 cm and 1 m.
		8	Protected against the effect of permanent submersion in water.