



IP Ratings (Ingress Protection)

IPXY	First digit: X Ingress of solid objects	Second digit: Y Ingress of liquids
0	No protection.	0 No protection.
1	Protected against solid objects over 50mm.	1 Protected against vertically falling drops of water or condensation.
2	Protected against solid objects over 12mm.	2 Protected against falling drops of water, if the case is disposed up to 15 degree from vertical.
3	Protected against solid objects over 2.5mm.	3 Protected against sprays of water from any direction, even if the case is disposed up to 60 degree from vertical.
4	Protected against solid objects over 1.0mm.	4 Protected against splash water from any direction.
5	Limited ingress of dust permitted. (no harmful deposit)	5 Protected against low pressure water jets from any direction. Limited ingress permitted.
6	Totally protected against dust ingress.	6 Protected against high pressure water jets from any direction. Limited ingress permitted.
	N/A	7 Protected against short periods of immersion in water.
	N/A	8 Protected against long periods of immersion in water.