

GUIDE FOR SWITCHBOARD IP RATINGS

Degrees of Protection – Ingress Protection Rating

Example IP65
(IP = Ingress Protection)

6 = Solid Rating which in this example is Dust Tight. No ingress of dust.
5 = Water Rating which in this example is Protected against water jets from any angle.

Solid Rating	Description	Water Rating	Description
0	No Protection	0	No Protection
1	Protected against ingress of an object greater than 50mm	1	Protected against dripping water
2	Protected against ingress of an object greater than 12.5mm	2	Protected against dripping water when tilted to 15°
3	Protected against ingress of an object greater than 2.5mm	3	Protected against spraying water up to a 60° angle
4	Protected against ingress of an object greater than 1mm	4	Protected against splashing water 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 from any angle
X	No Rating	7	Protected against harmful ingress of water when immersed up to 1m

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