



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 (First Number)

Water Rating (Second Number)

| | | | |
|----------|--|----------|---|
| 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 15deg. |
| 3 | Protected against ingress of an object greater than 2.5mm. | 3 | Protected against spraying water upto to a 60deg angle. |
| 4 | Protected against ingress of an object greater than 1 mm. | 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 upto 1M. |

Disclaimer – This is provided as a guide only and should be read in conjunction with the latest standards and codes.

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