

IP Rating Chart

IP stands for ingress protection, or the level of water and dust protection an enclosure provides an electronic device.

IP68

PROTECTION AGAINST SOLIDS

- 0** Not protected
- 1** Protected against solids larger than 50 millimeters, around the size of a racquetball
- 2** Protected against solids larger than 12 millimeters, around the size of a finger
- 3** Protected against solids larger than 2.5 millimeters, the size of a headphone jack
- 4** Protected against solids larger than 1 millimeter
- 5** Protected against dust operationally, dust can still enter the enclosure
- 6** Dustproof

PROTECTION AGAINST WATER

- 0** Not protected
- 1** Protected against vertically dripping water in the upright position
- 2** Protected against vertically dripping water at a 15-degree angle
- 3** Protected against direct sprays at angles up to 60 degrees
- 4** Protected against splashed water at any angle
- 5** Protected against low-pressure water jets at any angle
- 6** Protected against powerful water jets at any angle
- 7** Protected against quick immersion up to one meter in depth for up to 30 minutes
- 8** Protected against continuous immersion following manufacturer-defined terms