**IP (Ingress Protection) Ratings**

**SOLIDS**

1. Protected against a solid object greater than 50mm such as a hand.
2. Protected against a solid object greater than 12.5mm such as a finger.
3. Protected against a solid object greater than 2.5mm such as a screwdriver.
4. Protected against a solid object greater than 1mm such as a wire.
5. Dust protected. Limited ingress of dust permitted. Two to eight hours.
6. Dust tight. No ingress of dust. Two to eight hours.

**WATER**

1. Protected against vertical falling drops of water. Limited ingress permitted.
2. Protected against falling drops of water with enclosure tilted up to 15°. Limited water permitted.
3. Protected against sprays of water up to 60° from the vertical. Limited water permitted for three minutes.
4. Protected against water splashed from all directions. Limited water permitted.
5. Protected against currents of water. Limited water permitted.
6. Protected against powerful jets of water. Limited ingress permitted.
7. Protected against the immersion in water between 15cm and 1m for 30 minutes.
8. Can be immersed for long periods of time under water.

**IP 67**

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