

IP Rating Chart

IP (Ingress Protection) ratings are determined by combining the first and second digits of the columns below.

1st Digit: Solids

Unprotected. No protection against solids or dust. **0**

Protection against solid objects greater than 50 mm. **1**

Protection against solid objects greater than 12.5 mm. **2**

Protection against solid objects greater than 2.5 mm. **3**

Protection against solid objects greater than 1.0 mm. **4**

Protected against ingress of dust sufficient to cause harm. **5**

Dust tight. Complete protection against ingress of dust. **6**

EX: An IP65-rated unit is protected against ingress of dust as well as water jets from all directions.

2nd Digit: Liquids

Unprotected. No protection against liquids. **0**

Protection against drops of water. **1**

Protection against drops of water at a 15° angle. **2**

Protection against water spray at a 60° degree angle. **3**

Protection against splashes from any angle. **4**

Protection against low-pressure water jets from any angle. **5**

Protection against powerful jets of water and rough seas. **6**

Protection against submersion in water, 30 min. at a depth of 3 ft. **7**

Protection against permanent submersion, up to a 13 ft. depth. **8**