



# IP (Ingress Protection) Ratings Guide

## SOLIDS

1



Protected against a solid object greater than 50 mm such as a hand.

2



Protected against a solid object greater than 12.5 mm such as a finger.

3



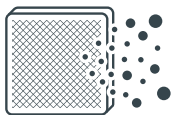
Protected against a solid object greater than 12.5 mm such as a screwdriver.

4



Protected against a solid object greater than 1 mm such as large particulates or a wire.

5



Dust Protected.  
Limited ingress of dust permitted.  
Will not interfere with operation of the equipment.

6



Dust tight.  
No Ingress of dust.

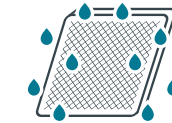
## WATER

1



Protected against vertically falling drops of water.  
Limited ingress permitted.

2



Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical.  
Limited ingress permitted.

3



Protected against sprays of water up to 60 degrees from the vertical.  
Limited ingress permitted for three minutes.

4



Protected against water splashed from all directions  
Limited ingress permitted.

5



Protected against jets of water.  
Limited ingress permitted.

6



Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.

Rating Example:

**IP** **6** **5**

**INGRESS PROTECTION**

