

## IP□□

### Solids

### Liquids

- 1** Protection from objects greater than 50mm in diameter e.g. a hand 
- 2** Protection from objects greater than 12mm in diameter but no greater than 80mm e.g. fingers 
- 3** Protection from entry by objects with a diameter of 2.5mm or more e.g. tools 
- 4** Protection against foreign bodies larger than 1mm e.g. fine tools 
- 5** Limited ingress of dust 
- 6** Completely dust tight 

- 1** Protection from condensation 
- 2** Protection against water droplets 
- 3** Protected against spraying water 
- 4** Protected against water spray and splashes 
- 5** Protection against low pressure water jets 
- 6** Protection against high pressure water jets 
- 7** Protection against temporary immersion in water 
- 8** Protection against immersion in water over long periods 
- 9** Protection against close range, powerful and high temperature water jets 

Sometimes, there might be a letter at the end of the code like below:

## IP□□D

- D** – Wire
- F** – Oil resistant
- H** – High voltage device
- K** – High-pressure and high-temperature water jets
- M** – Device moving during water test
- S** – Device standing still during water test
- W** – Device moving during water test