

IP protection guide

Degrees of protection to IEC 144(BS 5420)

Protection against touching live parts or ingress of solid objects

IP First figure

No protection **0**

Touching by hand or 50mm dia. Objects. **1**

Touching by finger or 12mm dia. Objects. **2**

Touching by tools or wire 2.5mm dia. or 2.5mm dia. Objects. **3**

Touching by tools or wire 1mm dia. or 1mm dia. Objects. **4**

Total touch protection or no harmful ingress of dust. **5**

Total touch protection or no ingress of dust. **6**

Protection against ingress of liquids

Second figure

0 No protection

1 Vertical water droplets No harmful ingress

2 Showering at 15° No harmful ingress

3 Showering at 60° No harmful ingress

4 Splashing from any direction No harmful ingress

5 Water jets from any direction No harmful ingress

6 Large volumes of water No ingress

7 Immersion up to 1 metre deep No ingress

8 Submersion at specified depths exceeding 1 metre No ingress

