

IP Code Numbers

IP CODE NUMBERS EXPLAINED

First Number: IP_*

Degree of protection of equipment against ingress of liquid.

There are nine classes numbered from 0-8. The higher the number the higher the degree of protection

IP0_ ()** No protection of persons against contact with live or moving parts inside the enclosure. No protection of equipment against ingress of solid foreign bodies.

IP1_ ()** Protection against accidental or inadvertent contact with live or moving parts inside the enclosure by a large surface of the human body, such as a hand, but no protection against deliberate access. Protection against ingress of large solid foreign bodies.

IP2_ ()** Protection against contact with live or moving parts inside the enclosure by fingers. Protection against ingress of medium size solid foreign bodies.

IP3_ ()** Protection against contact with live or moving parts inside the enclosure by tools, wires or objects thicker than 25mm. Protection against ingress of small solid foreign bodies.

IP4_ ()** Protection against contact with live or moving parts inside the enclosure by tools, wires or objects thicker than 1mm. Protection against ingress of very small solid foreign bodies.

IP5_ ()** Complete protection against contact with live or moving parts inside the enclosure. Protection against harmful deposits of dust. The ingress of dust cannot enter in an amount sufficient to interfere with satisfactory operation of the equipment (Dustproof).

IP6_ ()** Complete protection against contact with live or moving parts inside the enclosure and against the ingress of dust (Dust-tight).

IP_7 ()** Protection against immersion in water. It shall not be possible for water to enter the enclosure under stated conditions of pressure and time.

IP_8 ()** Protection against indefinite immersion in water. Under specified pressure, it shall not be possible for water to enter the enclosure.