

The digits indicate the level of protection that is provided against ingress of solid foreign objects and liquids.

First digit: Ingress of solid objects			Second digit: Ingress of liquids		
Level	Object size protected against	Effective against	Level	Object size protected against	Effective against
1	>50mm	Any large surface of the body, such as the back of the hand, but no protection against deliberate contact with a body part.	1	Dripping water	Dripping water (vertically falling drops) shall have no harmful effect.
2	>12.5mm	Fingers or similar objects.	2	Dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position.
3	>2.5mm	Tools, thick wires, etc.	3	Spraying water	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect.
4	>1mm	Most wires, screws, etc.	4	Splashing water	Water splashing against the enclosure from any direction shall have no harmful effect.
5	Dust Protected	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact.	5	Water jets	Water projected by a nozzle (6.3mm) against enclosure from any direction shall have no harmful effects.
6	Dust Tight	No ingress of dust; complete protection against contact.	6	Powerful water jets	Water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction shall have no harmful effects.
			7	Immersion up to 1m	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).
			8	Immersion beyond 1m	The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects.