

Protection Against Solid Objects

1 st DIGIT	DESCRIPTION	DEFINITION
0	Non-protected	No special protection.
1	Protected against solid objects greater than 50 mm diameter	A large surface of the body such as the hand (no protection against deliberate access). Solid objects exceeding 50 mm
2	Protected against solid objects greater than 12mm	Fingers or other objects not exceeding 80 mm in length. Solid objects exceeding 12 mm diameter.
3	Protected against solid objects greater than 2.5 mm	Tools, wires, etc. of diameter or thickness greater than 2.5 mm. Solid objects exceeding 2.5 mm diameter
4	Protected against solid objects greater than 1.0 mm	Wires or strips of thickness greater than 1.0 mm. Solid objects exceeding 1.0 mm.
5	Dust protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment.
* 6	Dust-tight	No ingress of dust

Protection Against Liquids

2 nd DIGIT	DESCRIPTION	DEFINITION
0	Non-protected	No special protection.
1	Protected against dripping water	Dripping water (vertically falling drops)
2	Protected against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at any angle up to 15° from its normal position.
3	Protected against spraying water	Water falling as spray at an angle up to 60° from the vertical shall have no harmful effect.
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effect.
5	Protected against water jets	Water projected from a nozzle against the enclosure from any direction shall have no harmful effect.
6	Protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.
* 7	Protected against the effects of immersion	Ingress of water in a harmful quantity shall not be possible when the inclosure is immersed in water under defined conditions of pressure & time.
8	Protected against submersion	The equipment is suitable for continuous submersion in water under conditions, which shall be specified by the manufacturer

* Atlas Neptune Fixtures Rated IP67