

IP Description

Solid Objects			Water		
1st Number	Degree of Protection	Description	2nd Number	Degree of Protection	Description
0	No protection	No protection against contact and ingress of objects	0	No protection against moisture	No protection
1	Protection against large solid objects	Protection against contact with large areas of the body, e.g. hands, and protection against solid objects with $d > 50\text{mm}$	1	Protection against dripping water	Protection against vertically falling drops of water
2	Protection against medium-sized solid objects	Protection against contact with fingers or solid objects with $d > 12\text{mm}$	2	Protection against dripping water	Protection against direct sprays of water up to $15^\circ$ from the vertical
3	Protection against small solid objects	Protection against tools, wires, or similar solid objects with $d > 2.5\text{mm}$	3	Protection against spraying water	Protection against direct sprays of water up to $60^\circ$ from the vertical
4	Protection against grain-sized solid objects	Protection against tools, wires, or similar solid objects with $d > 1\text{mm}$	4	Protection against splashing of water	Protection against water sprayed from all directions
5	Protection against adhering dust	Complete protection against contact. Protection against inner damage of equipment due to harmful deposit	5	Protection against water jets	Protection against low pressure jets of water from all directions
6	No ingress of dust	Complete protection against contact. No ingress of dust	6	Protection against powerful water jets	Protection against strong jets of water from all directions
			7	Protection against the effect of temporary immersion	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time
			8	Protection against long periods of immersion	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water for a long period of time