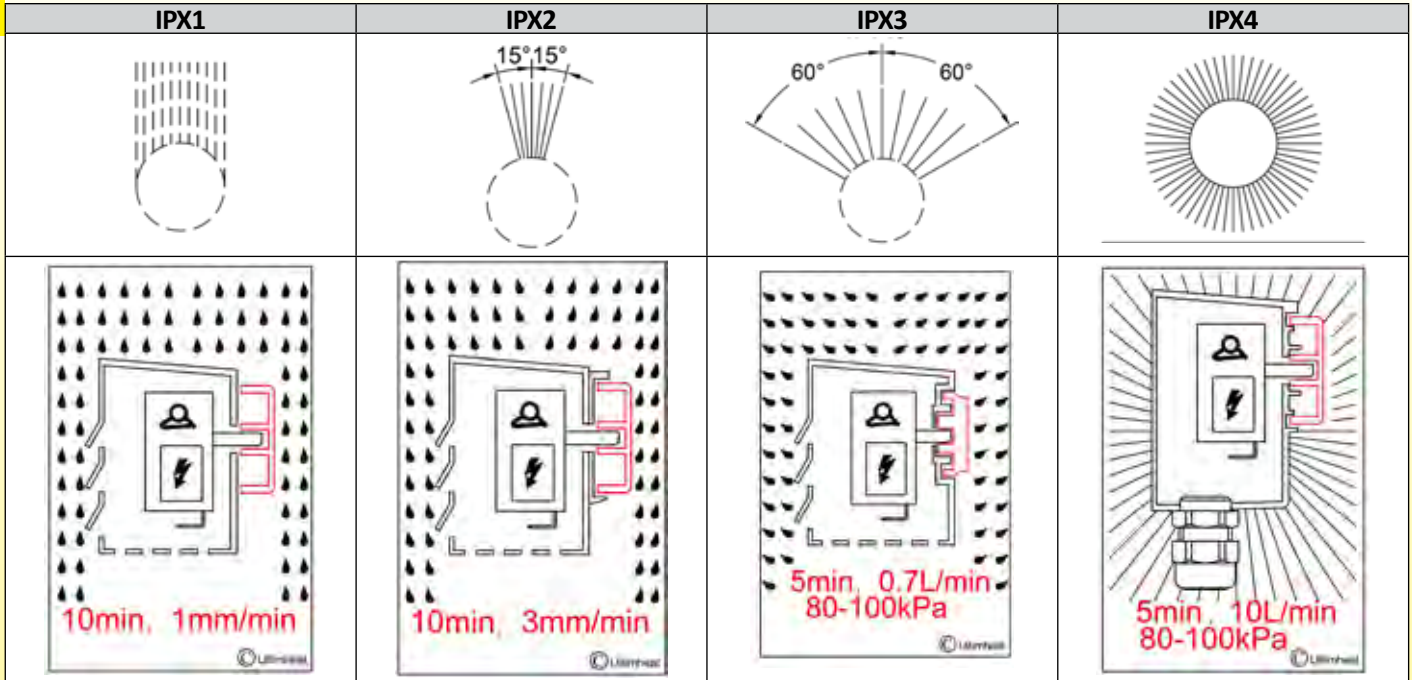
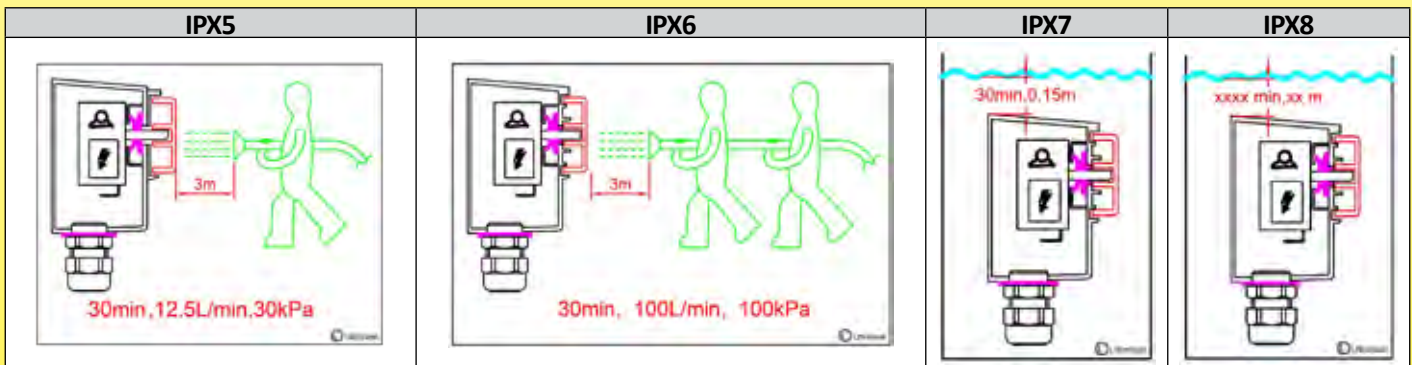


Second digit (Liquid ingress protection)

The second digit indicates the level of protection that the enclosure provides against harmful ingress of water.



Second digit	Protection type	Effective protection	Test description
0	Not protected		
1	Dripping water	Dripping water (vertically falling drops) shall have no harmful effect.	- Water equivalent to 1 mm rainfall per minute. - Test duration: 10 minutes
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.	- Water equivalent to 3 mm rainfall per minute. - Test duration: 10 minutes
3	Spraying water	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect.	- Water volume: 0.7 liters per minute - Pressure: 80-100 kPa - Test duration: 5 minutes
4	Splashing water	Water splashing against the enclosure from any direction shall have no harmful effect.	- Water volume: 10 liters per minute - Pressure: 80-100 kPa - Test duration: 5 minutes



Second digit	Protection type	Effective protection	Test description
5	Water jets	Water projected by a 6.3 mm dia. nozzle against enclosure from any direction shall have no harmful effects.	- Water volume: 12.5 liters per minute - Pressure: 30 kPa - Distance: 3 m - Test duration: 3 minutes
6	Powerful water jets	Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects.	- Water volume: 100 liters per minute - Pressure: 100 kPa - Distance: 3 m - Test duration: 3 minutes
7	Immersion up to 1 m	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).	- Immersion at depth of at least 1 m measured at bottom of device, and at least 15 cm measured at top of device - Test duration: 30 minutes
8	Immersion beyond 1 m	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 way that it produces no harmful effects.	Test duration: continuous immersion in water. Depth is specified by the manufacturer

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

