Decoding Ingress Protection (IP) Ratings

Solids

P0x: No protection.

Protection against large objects (>50mm).

Protection against medium-sized objects (>12.5mm).

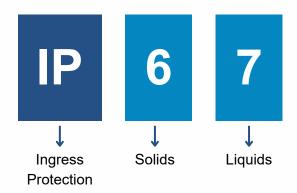
Protection against small objects (>2.5mm).

Protection against minute objects (>1mm).

IP5x: Dust-protected (limited ingress, no harmful deposits).

P6x: Dust-tight (complete protection against dust).

IP Rating Markings Key



Liquids

Protection against vertically falling drops of water.

Protection against vertically falling drops when tilted up to 15 degrees.

Protection against vertically falling drops when tilted up to 15 degrees.

Protection against water spray (up to 60 degrees from vertical).

Protection against water splashes from any direction.

Protection against low-pressure water jets.

Protection against highpressure water jets.

Protection against immersion in water (up to 1 meter for 30 minutes).

Protection against continuous immersion in water (specified by the manufacturer).



