

IP54

Solid Particle Protection

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g., electrical conductors, moving parts) and the ingress of solid foreign objects.

Level	Object size protected against	Effective against
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

Liquid Ingress Protection

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

Level	Protected against	Testing for	Details
4	Splashing of water	Water splashing against the enclosure from any direction shall have no harmful effect	Test duration: 5 minutes Water volume: 10 litres per minute Pressure: 80–100 kPa