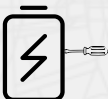




IP PROTECTION - RATING GUIDE

Selecting the right enclosure requires a clear understanding of environmental protection. The IP (Ingress Protection) rating system classifies the degrees of protection provided against dust, accidental contact, and water.

Use this layout to easily identify and compare protection levels

IP		X	X
SOLIDS		LIQUIDS	
1	 Protection against solid object greater than 50 mm.	 Protection against vertically falling droplets. No harmful ingress.	1
2	 Protection against solid object greater than 12.5 mm	 Protection against vertically falling droplets when tilted up to 15° No harmful ingress.	2
3	 Protection against solid object greater than 2.5 mm	 Protection against vertically falling droplets when tilted up to 60° No harmful ingress.	3
4	 Protection against solid object greater than 1 mm	 Protection against splashes of water from all direction. No harmful ingress.	4
5	 Limited ingress of dust. Will not interfere with equipment.	 Protection against low pressure jets of water. No harmful ingress.	5
6	 No ingress of dust permitted.	 Protection against high pressure jets of water. No ingress.	6
		 Protection against immersion in water between 15cm-1m deep for 30 minutes. No ingress.	7
		 Protection against immersion in water under pressure for long periods. No ingress.	8