

IEC:60529 describes a system for classifying the degrees of protection provided by the enclosures of electrical equipment. The system uses a 2 number code, the combination of which indicates the degree of protection.

1st Code Number	Level of protection against the ingress of solid foreign bodies	2nd Code Number	Level of protection against water
0	No Protection	0	No Protection
1	50mm diameter	1	Vertical dripping
2	12.5mm diameter	2	Angled (15°) dripping
3	2.5mm diameter	3	Spraying (light water splashes)
4	1.0mm diameter	4	Splashing (water splashes)
5	Dust Protecting	5	Jetting (water squirts)
6	Dust tight	6	Powerful jetting
		7	Temporary immersion
		8	Continuous immersion

IP RATINGS

2nd Code Number	Test means	Water flow Litres/min	Duration of test
5	Water jet hose nozzle. Nozzle 6.3mm Ø Distance 2.5 to 3 m	12.5 ±5%	1 minute per m2 for at least 3 minutes
6	Water jet hose nozzle. Nozzle 12.5mm Ø Distance 2.5 to 3 m	100 ±5%	1 minute per m2 for at least 3 minutes
7	Immersion tank. Water level on enclosure: 0.15m above the top, 1 m above the bottom	N/A	30 minutes
8	Immersion tank. Water level by agreement	N/A	By agreement

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