

IP RATINGS

The IP rating system provides a means of classifying the degrees of protection from solid objects, dust, and liquids afforded by electrical equipment and enclosures. The system is recognised worldwide and is set out in EN 60529:1992+A2:2013 (IEC 60529:1989+AMD1:1999+AMD2:2013 CSV) Degrees of Protection provided by enclosures (IP Code).

FIRST NUMERAL Protection against ingress of solid foreign objects		SECOND NUMERAL Protection against ingress of water with harmful effect	
IP	REQUIREMENTS	IP	REQUIREMENTS
0	Non-protected	0	Non-protected
1	≥ 50 mm diameter	1	Vertically dripping
2	≥12.5 mm diameter	2	Dripping (15° tilted)
3	≥ 2.5 mm diameter	3	Spraying
4	≥ 1 mm diameter	4	Splashing
5	Dust-protected	5	Jetting
6	Dust-tight	6	Powerful jetting
		7	Temporary immersion
		8	Continuous immersion
		9	High pressure and temperature water jet

Note: Degrees of Protection IPX7 and IPX8 do not necessarily confirm that the lower degrees of protection against water are met