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This section provides a short overview and essentials of the classification. For more details, please refer to the latest original publication IEC 60529 (direct ordering or list of local sources via Internet [www.iec.ch](http://www.iec.ch)).

## IP Rating (IP XY)

First number X - protection against ingress of solid objects

Second number Y - protection against ingress of water

0		no protection	0		no protection
1		protection against objects larger than 50 mm diameter	1		vertical dripping water
2		protection against objects larger than 12.5 mm diameter	2		dripping water, 15° tilted
3		protection against objects larger than 2.5 mm diameter	3		spraying water
4		protection against objects larger than 1.0 mm diameter	4		splash water
5		protection against dust (limited ingress, not harmful)	5		water jets
6		protection against dust (dust-tight, no ingress)	6		powerful water jets
			7		temporary immersion (test 1 m, 30 min.)
			8		continuous immersion (test to be agreed, but exceeding no. 7)