

IP Degree of Protection according to EN/IEC 60529

First figure		Second figure	
0	No protection	0	No protection
1	Protected against a solid object 50 mm or greater	1	Protected against vertically dripping water
2	Protected against a solid object 12 mm or greater	2	Protected against vertically dripping water, when tilted 15 degrees
3	Protected against a solid object 2,5 mm or greater	3	Protected against water spraying at an angle up to 60 degree
4	Protected against a solid object 1 mm or greater	4	Protected against water splashing from any direction
5	Dust protected	5	Protected against jets of water from any directions
6	Dust tight	6	Protected against powerful jets of water from any directions
		7	Protected against immersion between a depth of 150 mm and 1000 mm
		8	Protected against submersion

Approximately correlations between IP (IEC) and NEMA 250 standards	
IP10	NEMA 1
IP11	NEMA 2
IP54	NEMA 3 R
IP52	NEMA 5-12-12 K
IP54	NEMA 3-3 S
IP56	NEMA 4-4 X
IP67	NEMA 6-6 P