















# IP - Rating System

Ver. 1.0

## IP X X

IP Xx	Description (Contact and foreign matter)	Picture
0	No protection	
1	Protected against solid objects up to 50mm f.i. accidental touch by hands	
2	Protected against solid objects up to 12mm f.i. fingers	
3	Protected against solid objects up to 2.5mm (tools and wires)	
4	Protected against solid objects up to 1mm (small tools and wires)	
5	Protected against dust, limited ingress (no harmful deposit)	
6	Totally protected against dust	

IP xX	Description (Water Protection)	Picture
0	No protection	
1	Protection against vertically falling drops of water eg condensation	
2	Protection against direct sprays of water up to 15 degrees from vertical	
3	Protection against direct sprays of water up to 60 degrees from vertical	
4	Protection against water sprayed from all directions - limited ingress permitted	
5	Protected against low pressure jets of water from all directions – limited ingress permitted	
6	Protected against low pressure jets of water (use on shipdeck)- limited ingress permitted	
7	Protected against the effect of immersion between 15cm and 1m	
8	Protected against long periods of immersion under pressure	



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