

## Ingress Protection (IP) Code Rating

1ST DIGIT			2ND DIGIT		
IP	Requirements	Protection of persons against access to hazardous parts with:	IP	Requirements	Protection from water
0	No protection	Non-protected	0	No protection	Non-protected
1	Full penetration of 50 mm diameter sphere not allowed. Contact with hazardous parts not permitted.	Back of hand	1	Protected against vertically falling drops of water. Limited ingress permitted.	Vertically dripping
2	Full penetration of 12.5 mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.	Finger	2	Protected against vertically falling drops of water with the enclosure tilted 15° from the vertical. Limited ingress permitted.	Dripping up to 15° from the vertical
3	The access probe of 2.5 mm diameter shall not penetrate.	Tool	3	Protected against sprays to 60° from the vertical. Limited ingress permitted.	Limited spraying
4	The access probe of 1.0 mm diameter shall not penetrate.	Wire	4	Protected against water splashed from all directions. Limited ingress permitted.	Splashing from all directions
5	Limited ingress of dust permitted (no harmful deposit).	Wire	5	Protected against jets of water. Limited ingress permitted.	Hosing jets from all directions
6	Totally protected against the ingress of dust.	Wire	6	Protected against strong jets of water. Limited ingress permitted.	Strong hosing jets from all directions
7			7	Protected against the effects of immersion between 15 cm and 1 m.	Temporary immersion
8			8	Protected against long periods of immersion under pressure	Continuous immersion