
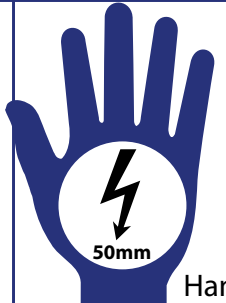
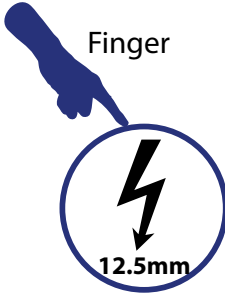
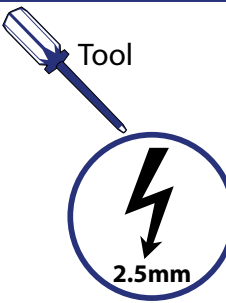
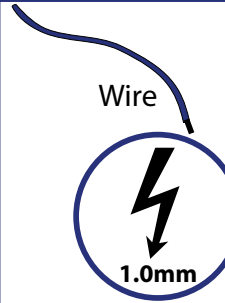
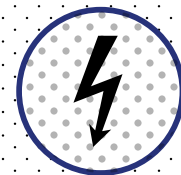
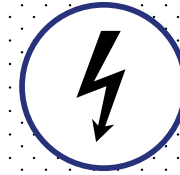




First Digit = Protection against SOLID OBJECTS


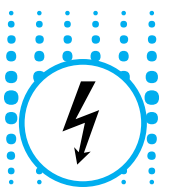
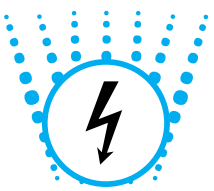
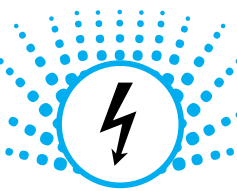
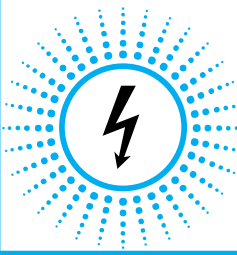
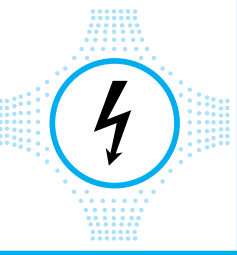
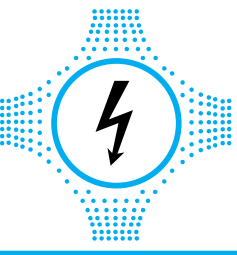
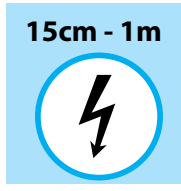
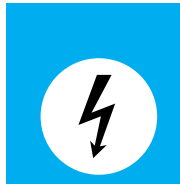





0	1	2	3	4	5	6
	 50mm Hand	 Finger 12.5mm	 Tool 2.5mm	 Wire 1.0mm	 Dust	 Dust
No Protection	Full penetration of 50mm diameter sphere not allowed. Contact with hazardous parts not permitted.	Full penetration of 12.5mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.	The access probe of 2.5mm diameter shall not penetrate.	The access probe of 1.0mm diameter shall not penetrate.	 Limited ingress of dust permitted (no harmful deposit).	 Totally protected against the ingress of dust.

An IP Rating is a method of classifying the level of protection of an electrical product's enclosure from the ingress of foreign bodies; most specifically solid objects and liquids.

A common misunderstanding is that the two digits are one number or one rating, when in fact each digit means something different.

Use this handy guide to find out more!

Second Digit = Protection against LIQUIDS

0	1	2	3	4	5	6	7	8
	 Vertical dripping	 Dripping 15°	 Direct sprays 60°	 360° Sprays	 Low pressure jets	 High pressure jets	 Temporary immersion 15cm - 1m	 Continuous immersion
No Protection	 IPX1 Protected against vertically falling drops of water. Limited ingress permitted.	Protected against vertically falling drops of water with the enclosure tilted 15° from the vertical. Limited ingress permitted.	Protected against sprays to 60° from the vertical. Limited ingress permitted.	 Protected against water splashed from all directions. Limited ingress permitted.	 Protected against jets of water. Limited ingress permitted.	Protected against strong jets of water. Limited ingress permitted.	 Protected against the effects of immersion between 15cm and 1m.	 Protected against long periods of immersion under pressure.