



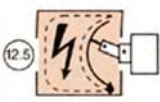

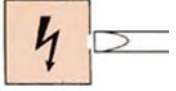




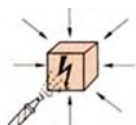

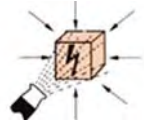

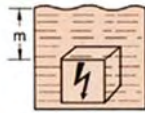


INGRESS PROTECTION (IP) RATING

FIRST CHARACTERISTIC NUMERAL

SECOND CHARACTERISTIC NUMERAL

Protection against solid foreign objects			Degree of protection for people against access to hazardous parts with:	Protection against solid foreign objects			Degree of protection for people against access to hazardous parts with:
IP	Example	Tests		IP	Example	Tests	
0		No protection.	Non-protected	0		No protection.	Non-protected
1		Full penetration of 50mm diameter of sphere not allowed. Contact with hazardous parts not permitted.	Back of hand	1		Protection against vertically falling drops of water	Vertically dripping
2		Full penetration of 12.5mm diameter of sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.	Finger	2		Protected against vertically falling drops of water with enclosure tilted 15° from the vertical.	Dripping up to 15° from the vertical
3		The access probe of 2.5mm diameter shall not penetrate.	Tool	3		Protected against sprays 60° from the vertical.	Limited spraying
4		The access probe of 1mm 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).	Dust protected	5		Protected against low pressure jets of water from all directions - limited ingress permitted.	Hosing jets from all directions
6		No ingress of dust.	Dust tight	6		Protected against strong jets of water, eg for use on ship decks - limited ingress permitted.	Strong hosing jets from all directions
				7		Protected against the effects of immersion between 150mm and 1m.	Temporary immersion
				8		Protected against continuous submersion at a specified depth.	Continuous immersion