## **INDEX OF PROTECTION**

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IP \*\*\* index of protection of enclosures of electrical equipment in accordance with standards IEC 529, BS 5490, DIN 400 50 and NF C 200 10 Up to 1000 V ~ and 1500 V = (standard UTE C 20 010)

1eC 529, BS 5490, DIN 400 50 and NF C 200 10 Up to 1000 V ~ and 1500 V = (standard UTE C 20 010)								
1st figure: protection against solid bodies			2nd figure: protection against liquids			3rd figure: mechanical protection		
IP	tests		IP	tests		IP	tests	
0		No protection	0		No protection	0		No protection
1	0 50 mm Q	Protected against solid bodies larger than 50 mm (eg: accidental contact with the hand)	1	0	Protected against vertically-falling drops of water (condensation)	1	150g Intern	Impact energy 0.225 joule
2	0 12 mm , D	Protected against solid bodies larger than 12 mm (eg: finger)	2	, i	Protected against drops of water falling at up to 15° from the vertical	3	250g	Impact energy 0.500 joule
3	(O) 02.5 mm	Protected against solid bodies larger than 2.5 mm (eg: tools, wires)	3	10	Protected against drops of rain water at up to 60° from	5	500g	Impact energy 2.00 joule
4	(O) =	Protected against solid bodies larger than 1 mm (fine tools and small wires)	4	0	Protected against projections of water from all	7	1.5kg	Impact energy 6.00 joule
5	0	Protected against dust (no harmful deposit)	5		Protected against jets of water from all directions	9	5 kg stens	Impact energy 20.00 joule
6	0	Completely protected against dust	6	-0-1	Protected against jets of water of similar force to heavy seas	The 3rd figure is specific to the		
			7	115 cm stand	Protected against the effects of immersion	French standard NF C 20 010		
			8	m	Protected against prolonged effects of immersion under pressure			