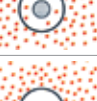


Protection Index Against the Penetration of Solid Objects and Against Liquids (IP)

Protection degree of the enclosures of the electrical equipments in accordance with the **EN 60529** and **IEC 60529** Standards.

1 st Digit (Protection against solid bodies)			2 nd Digit (Protection against water)		Additional Letter (Protection against access to hazardous parts)
IP		Test	IP	Test	IP
0	No protection.		0	No protection.	A Protected against access with the back of the hands.
1	Protected against solid objects whose diameter is greater than or equal to 50mm.		1	Protected against drops of water falling vertically.	B Protected against access with the finger
2	Protected against solid objects whose diameter is greater than or equal to 12,5mm.		2	Protected against drops of water falling vertically with the covering inclined, at most, at 15°.	C Protected against access with tool
3	Protected against solid objects whose diameter is greater than or equal to 2,5mm.		3	Protected against rain up to 60° from the vertical.	D Protected against access with a wire
4	Protected against solid objects whose diameter is greater than or equal to 1mm.		4	Protected against water projections from all directions.	
5	Protected against dust.		5	Protected against jets of water from all directions.	
6	Dustproof.		6	Protected against strong jets of water similar to a sea wave.	
X	Indifferent		7	Protected against the effects of temporary immersion between 15cm to 1m.	
			8	Protected against the effects of constant immersion in water under pressure.	
			X	Indifferent	

Example: **IP3XC** - Protected against solid objects whose diameter is greater than or equal to 2,5 mm. | Indifferent | Protected against access with tool.

Protection Index Against the Mechanical Impacts (IK)

Protection degree of the enclosures of the electrical equipments in accordance with the **EN 50102** Standard.

IK	Energy of Impact (Joule)	Used Mass (Kg)
00	0	0
01	0,15	0,2
02	0,20	0,2
03	0,35	0,2
04	0,50	0,2
05	0,70	0,2
06	1	0,5
07	2	0,5
08	5	1,7
09	10	5
10	20	5

