

IP CODE

**IEC 60529
DEGREES OF ACCESS
TO HAZARDOUS PARTS,
FIRST CHARACTERISTIC NUMERAL**

First Characteristic Numeral: With Respect to Solid Foreign Objects	
IP	
0	Non-protected
1	Protected against solid foreign objects ≥ 50 mm diameter
2	Protected against solid foreign objects ≥ 12.5 mm diameter
3	Protected against solid foreign objects ≥ 2.5 mm diameter
4	Protected against solid foreign objects ≥ 1.0 mm diameter
5	Dust-protected (Dust shall not penetrate in quantity to interfere with satisfactory operation of the apparatus or to impair safety)
6	Dust-tight (No ingress of dust)

**IEC 60529
DEGREES OF PROTECTION
AGAINST WATER INGRESS,
SECOND CHARACTERISTIC NUMERAL**

Second Characteristic Numeral: With Respect to the Harmful Ingress of Water	
IP	
0	Non-protected
1	Protected against vertically falling water drops
2	Protected against vertically falling water drops when enclosure tilted up to 15°
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against powerful water jets
7	Protected against the effects of temporary immersion in water
8	Protected against the effects of continuous immersion in water