

IP (Ingress Protection) Code Symbols

The chart below illustrates the use of special symbols in the IP classification system. In the "1st digit" columns, note the grid-like symbols next to numbers 5 and 6. In the "2nd digit" columns numbers 3-8 are symbolized by teardrop shaped symbols, sometimes enclosed in a box or a triangle, sometimes unenclosed (7-8). These symbols can be placed on equipment to illustrate the IP protection provided.



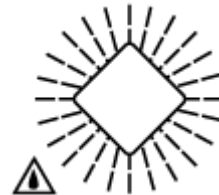
1st Digit	Protection from solid objects	2nd Digit	Protection from moisture
0	Non protected	0	Non protected
1	<p>50 mm</p> <p>Protected against solid objects greater than 50mm</p>	1	<p>Protected against vertically dripping water</p>
2	<p>12 mm</p> <p>Protected against solid objects greater than 12.5mm</p>	2	<p>15°</p> <p>Protected against dripping water when tilted up to 15°</p>
3	<p>2.5 mm</p> <p>Protected against solid objects greater than 2.5mm</p>	3	<p>60°</p> <p>Protected against spraying water</p>

4



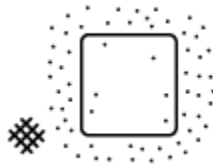
Protected against solid objects greater than 1.0mm

4



Protected against splashing water

5



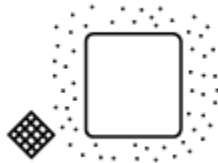
Dust protected

5



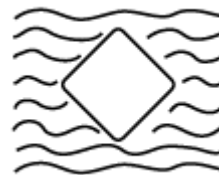
Protected against jetting water

6



Dust tight

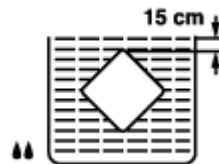
6



Protected against powerfully jetting water

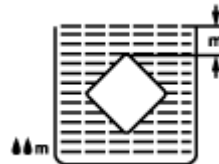
Note: IEC 60529 does not specify sealing effectiveness against the following: mechanical damage of the equipment; the risk of explosions; certain types of moisture conditions, e.g., those that are produced by condensation; corrosive vapors; fungus; vermin.

7



Protected against the temporary effects of immersion

8



Protected against continuous submersion