

Appendix 2 IEC 529 International Protection Code (IP Code)

According to IEC 60529 ed 2.2:2013, products are separated into different levels by its Ingress Protection performance. The first digit means the protection against foreign objects and the second digit means the protection against liquid as follows:

1 st digit		2 nd digit	
<p>0. No protection</p>		<p>2. Protection against direct sprays of water up to 15° from the vertical.</p>	
<p>1. Protection against solid objects over 50mm, e.g. touch by hand.</p>		<p>3. Protected against direct sprays of water up to 60° from the vertical.</p>	
<p>2. Protection against solid objects with diameter over 12mm, length over 80mm, e.g. touch by finger.</p>		<p>4. Protection against water sprayed from all directions – limited ingress permitted.</p>	
<p>3. Protection against solid objects over 2.5mm, e.g. tool or wire.</p>		<p>5. Protected against low pressure jets of water from all directions - limited ingress.</p>	
<p>4. Protection against solid objects over 1.0mm, e.g. metal fiber. (tools, wires, and small wires)</p>		<p>6. Protected against temporary flooding of water, e.g. for use on ship decks - limited ingress permitted.</p>	
<p>5. Protected against dust limited ingress (no harmful deposit).</p>		<p>7. Protected against the effect of immersion between 15 cm and 1 m.</p>	
<p>6. Totally protected against dust.</p>		<p>8. Protects against long periods of immersion under pressure.</p>	