

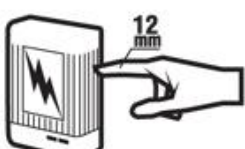













# IP (Ingress Protection) Ratings Guide

SOLIDS		WATER	
<b>1</b>	 <p>Protected against a solid object greater than 50 mm such as a hand.</p>	<b>1</b>	 <p>Protected against vertically falling drops of water. Limited ingress permitted.</p>
<b>2</b>	 <p>Protected against a solid object greater than 12.5 mm such as a finger.</p>	<b>2</b>	 <p>Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.</p>
<b>3</b>	 <p>Protected against a solid object greater than 2.5 mm such as a screwdriver.</p>	<b>3</b>	 <p>Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.</p>
<b>4</b>	 <p>Protected against a solid object greater than 1 mm such as a wire.</p>	<b>4</b>	 <p>Protected against water splashed from all directions. Limited ingress permitted.</p>
<b>5</b>	 <p>Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.</p>	<b>5</b>	 <p>Protected against jets of water. Limited ingress permitted.</p>
<b>6</b>	 <p>Dust tight. No Ingress of dust. Two to eight hours.</p>	<b>6</b>	 <p>Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.</p>
<p>Rating Example:</p> <p><b>IP65</b></p> <p>INGRESS PROTECTION</p>		<b>7</b>	 <p>Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.</p>
		<b>8</b>	 <p>Protection against the effects of immersion in water under pressure for long periods.</p>