

# IP RATINGS

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## INGRESS PROTECTION



|  | <b>SOLIDS</b>  |
|---|--|
| <b>0</b>  | No protection  |
| <b>1</b>  | Protected against solid objects over 50mm (e.g. accidental touch by hands) |
| <b>2</b>  | Protected against solid objects over 12mm (e.g. fingers)                   |
| <b>3</b>  | Protected against solid objects over 2.5mm (e.g. tools, wires)             |
| <b>4</b>  | Protected against solid objects over 1mm (e.g. tools, wires, small wires)  |
| <b>5</b>  | Protected against dust – limited ingress (no harmful deposits)             |
| <b>6</b>  | Totally protected against dust   |

|  | <b>WATER</b>  |
|---|---|
| <b>0</b>  | No protection   |
| <b>1</b>  | Protected against vertically falling drops of water   |
| <b>2</b>  | Protected against direct sprays up to 15° from the vertical                                     |
| <b>3</b>  | Protected against direct sprays up to 60° from the vertical                                     |
| <b>4</b>  | Protected against sprays from all directions – limited ingress permitted                        |
| <b>5</b>  | Protected against low pressure jets if water from all directions – limited ingress permitted    |
| <b>6</b>  | Protected against strong jets of water (e.g. for use on ship decks) – limited ingress permitted |
| <b>7</b>  | Protected against the effects of temporary immersion between 15cm–1m (duration test 30 minutes) |
| <b>8</b>  | Protected against long periods of immersion under pressure                                      |

EXAMPLE:



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