

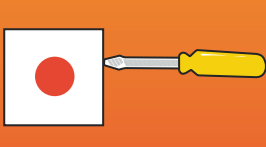
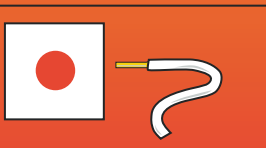





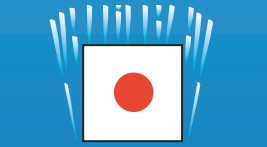

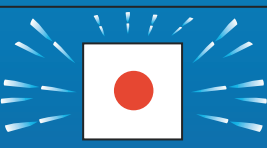
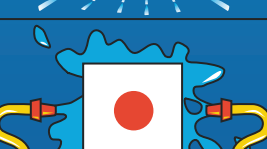



# Ingress Protection ratings

## PROTECTION AGAINST SOLIDS

|          | TEST  | PROTECTION   |
|----------|---|--|
| <b>X</b> | No test applied   | No specific protection   |
| <b>0</b> | No test applied   | Inherent degree of protection  |
| <b>1</b> |    | Protected against solid objects equal to or greater than 50mm diameter. (eg. accidental contact with hand) |
| <b>2</b> |    | Protected against solid objects equal to or greater than 12.5mm diameter. (eg. contact with finger)        |
| <b>3</b> |   | Protected against solid objects equal to or greater than 2.5mm diameter. (eg. tools and wires)             |
| <b>4</b> |  | Protected against solid objects equal to or greater than 1mm diameter. (eg. fine tools and wires)          |
| <b>5</b> |  | Protected against quantities of dust that could interfere with satisfactory operation.                     |
| <b>6</b> |  | Completely protected against dust.   |

Defined by IEC 60529  
DIN 40050 CEI 70-1

## PROTECTION AGAINST LIQUIDS

|          | TEST   | PROTECTION  |
|----------|--|---|
| <b>X</b> | No test applied  | No specific protection  |
| <b>0</b> | No test applied  | Inherent degree of protection   |
| <b>1</b> |    | Protected against drops of water falling vertically.                            |
| <b>2</b> |    | Protected against drops of water falling at up to 15 degrees from the vertical. |
| <b>3</b> |   | Protected against spraying water at up to 60 degrees from the vertical.         |
| <b>4</b> |  | Protected against splashing water from all directions.                          |
| <b>5</b> |  | Protected against jets of water from all directions.                            |
| <b>6</b> |  | Protected against jets of water of similar force to heavy seas.                 |
| <b>7</b> |  | Protected against the effects of temporary immersion.                           |
| <b>8</b> |  | Protected against the effects of continuous immersion.                          |

Defined by IEC 60529