



Thomas Research Products

SSL Solutions Faster Than The Speed Of Light

X: Protection against solids

0	No special protection
1	Protected against solid objects up to 50 mm, e.g. accidental touch by persons hands.
2	Protected against solid objects up to 12 mm, e.g. persons fingers.
3	Protected against solid objects over 2.5 mm (tools and wires).
4	Protected against solid objects over 1 mm (tools, wires, and small wires).
5	Protected against dust limited ingress (no harmful effects).
6	Totally protected against dust.

Example: IP67

Total protected against dust and protected against immersion between 15cm and 1m.

Y: Protection against liquids

0	No protection.
1	Protection against vertically falling drops of water e.g. condensation.
2	Protection against direct sprays of water up to 15° from the vertical.
3	Protected against direct sprays of water up to 60° from the vertical.
4	Protection against water sprayed from all directions - limited ingress permitted.
5	Protected against low pressure jets of water from all directions - limited ingress (no harmful effects).
6	Protected against temporary flooding of water, e.g. for use on ship decks - limited ingress permitted.
7	Protected against the effect of immersion to 1 meter.
8	Protects against long periods of immersion under pressure.