

INGRESS PROTECTION (IP) RATING

The Ingress Protection rating is a two-digit number used to rate the degree of protection provided against the intrusion of solid objects (including body parts like hands and fingers), dust, accidental contact and water in mechanical casings and with electrical enclosures. The first digit represents protection against ingress of solid foreign objects. The second digit represents protection against harmful ingress of water. The higher each rating, the more protection is offered. Ingress Protection Tables are as below;

INGRESS PROTECTION RATING TABLES

Value	Protection from SOLIDS
0	No protection.
1	Protected against solid objects over 50mm e.g. hands, large tools etc.
2	Protected against solid objects over 12.5mm e.g. fingers, tools etc.
3	Protected against solid objects over 2.5mm e.g. screwdriver, thick wires etc.
4	Protected against solid objects over 1.0mm e.g. thin wires, screws etc.
5	Dust Protected. Limited protection against dust ingress (no harmful deposit).
6	Dust Tight. Totally protected against dust ingress.

IP67

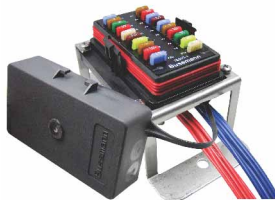
↓ ↓ ↓
 ↓ ↓ ↓
Liquid Protection Rating
Solid Protection Rating
IP = Ingress Protection

Example:
 Our Hi-Amp circuit breakers are rated as IP67.
 Therefore they are Dust Tight (6) & withstand immersion in water of up to a depth of 1 metre (7).

Value	Protection from WATER
0	No protection
1	Protected against vertically falling drops of water. Should have no harmful effect.
2	Protected against vertically dripping water at any angle of up to 15° from the vertical. Should have no harmful effect.
3	Protected against water spray at any angle up to 60° from the vertical. Should have no harmful effect.
4	Protected against water splashing against the enclosure from any direction. Should have no harmful effect.
4K	Splashed water, at high pressure, only for road vehicles.
5	Protected against low pressure water jets from any direction. Should have no harmful effect.
6	Protected against high pressure water jets from any direction. Should have no harmful effect.
6K	Powerful water jets, at high pressure (flooding), only for road vehicles
7	Protected against harmful effects of 30 min. immersion in water at depth of 15cm (top of device) to 1M (bottom of device).
8	Protected against continuous immersion in water at a depth and conditions specified by the manufacturer.
9K	For pressure / steam jet cleaning, only for road vehicles.



The Circuit Protection Specialists.



We stock a huge range of IP Rated holders to suit any applicaton.



Email: sales@swe-check.com.au
 Web: www.swe-check.com.au

Phone: +61 3 9521 6133
 Fax: +61 3 9521 6177