

# SHARK - Water tight Insulated Joints - IP rating

**SHARK**<sup>®</sup>  
GEL INSULATED JOINTS



FIG. 1



FIG. 2



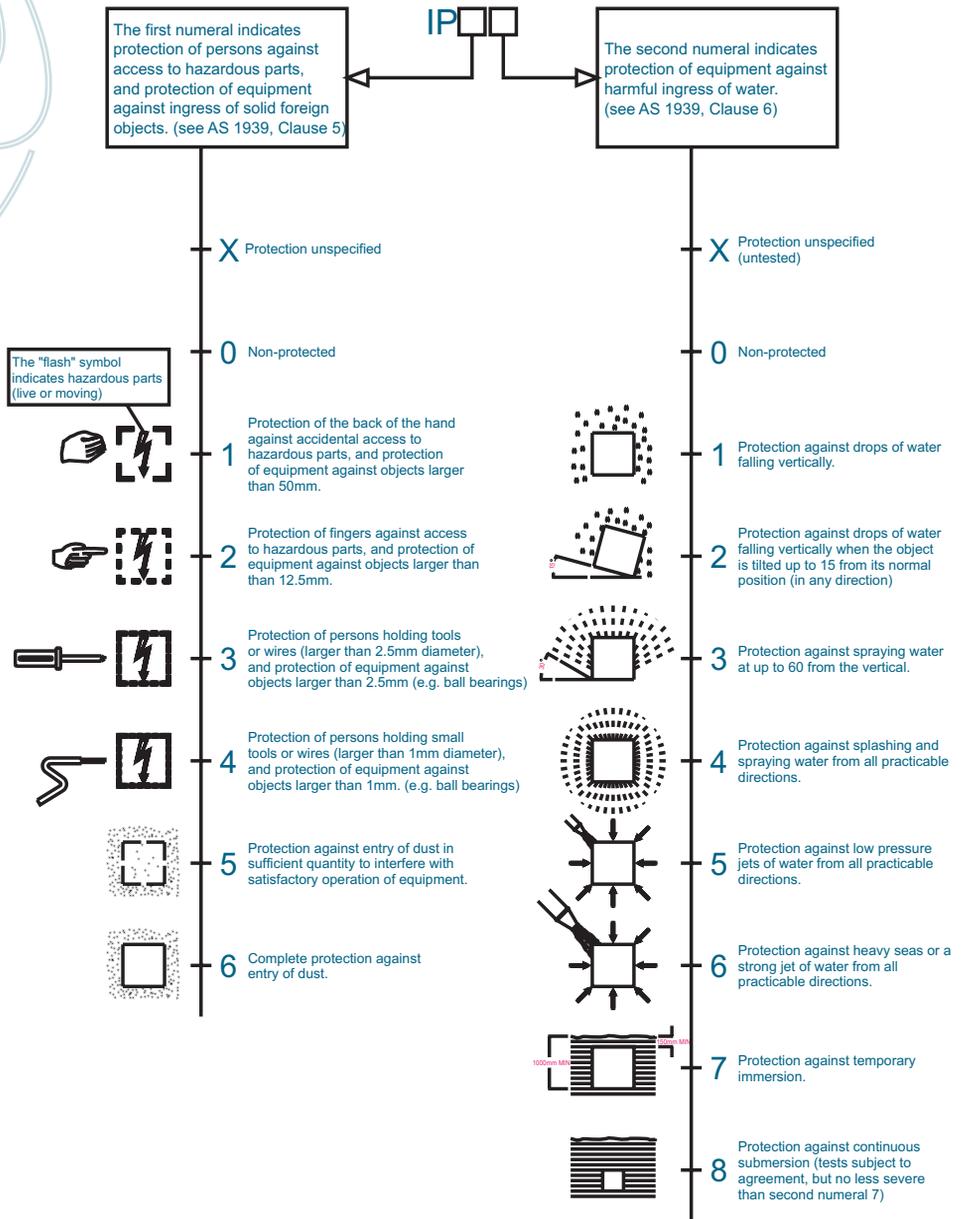
FIG. 3



FIG. 4

Protection of persons and protection of equipment indicated by the IP code.  
Protection provided by enclosures for electrical equipment is indicated by the IP codes two:

## CHARACTERISTIC NUMERALS



The IP 68 degree of protection is a characteristic of boxes and enclosures, but we are unable to label the Gel joints as IP 68 but instead we have to label them **IP X8**.

The reason we cannot label the first numeral of IP degree of protection is as follows: Although the joints are full of gel so that dust cannot enter inside the joint, the joints do not achieve the 4th rating of the protection as you can see from FIG 3 and 4, a small tool can easily enter the joint by pushing it into the gel and can therefore interrupt the wires and terminal block. So in this case we cannot give the first numeral a specific number therefore we have to rate it X as undefined.

Furthermore as the Joints are protected against continuous submersion and all the above on the second Numeral we can give it an 8 rating.

As a result of this the Gel joints have been given an Ingress protection of IP X8