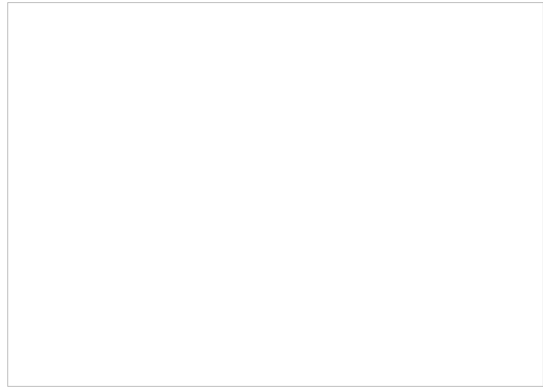
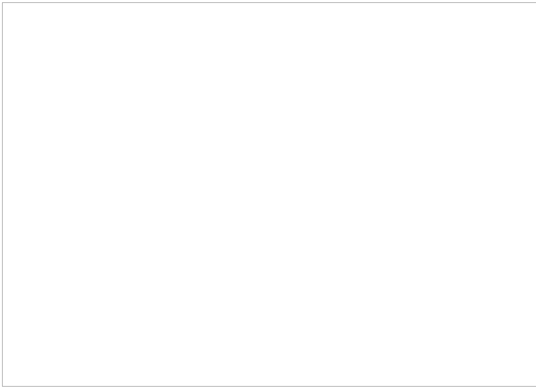


# Service: IP protection

## Service: IP protection



The IP protection (ingress protection) classes apply in line with DIN EN 60529:2014-09 and provide information about the degree to which solid foreign objects and dust (indicated by the first IP figure) or moisture and water (indicated by the second IP figure) penetrate that item.

The protection classes are not valid with regard to electrical safety and protection from outside influences.

All the degrees of protection for the following categories are tested at our own company laboratory:

- IPX7 – Protection against temporary immersion
- IPX8 – Protection against continuous immersion

The test takes place in a tank. An idle period of 72 hours ensures that the temperature of the water adapts to the room temperature. An optical check on the surface and function then takes place and checks are made to determine whether any water has penetrated the item.

You will find our products categorised according to the IP classes [here](#).

Outside influences may involve:

- Chemical effects
- Corrosion
- Micro-organisms
- Mechanical impacts
- UV radiation
- Extreme temperatures etc.