

# PRODUCT NEWS

## WET-CON SERIES CONNECTOR ENHANCEMENTS

### INTRODUCTION

As part of our continuous improvement process the **SEA CON**® Group consistently reviews its product ranges through both customer feedback and internal improvements. It is via these processes that **SEA CON**® identified a design enhancement to the **WET-CON** connector ranges.

### DESIGN FEATURES

The design change is associated with the Male Pin connectors only and has been introduced to improve and extend the life of the connectors by decreasing the stresses that are applied to the sealing interface between the male contact pin and the sealing rubber around the pin during the connectors mate and de-mate cycles.

The newly designed male contact has a "Lead in" as part of the contact pin itself which replaces the current rubber lead in. The introduction of the new pin removes any potential wear to the sealing interface between the male contact pin and the sealing rubber around the pin which may occur with many repeated make and breaks of the connector pairs. The new pin will maintain the full connector sealing properties and will provide a greater life expectancy of the connectors.

The incorporation of this design change to the Male Pin connectors will not affect the existing Female Socket connectors currently being used by **SEA CON**®'s customers and therefore full intermateability will be maintained. In addition, **SEA CON**® would also like to confirm that pricing will also not be affected.

### TESTING

This new pin design concept has been fully tested and has been utilized in both the **U-MATE** and **SEA-MATE** connector ranges for a number of years.

## IP68 AND IPX8 CERTIFICATION AWARDED TO **SEA CON (europe) LTD**

**SEA CON (europe) Ltd** is pleased to advise that its **WET-CON** connector series is now approved to IP Codes (Ingress Protection) 68 and X8. These two international standards classify the level of protection provided against the intrusion of dust and water in electrical enclosures.

In order to meet the requirements of the IP68 and IPX8 standards, sample connectors were sent to an independent testing house and subjected to various tests as per the agreed program including pressure testing to 101 bar for a 24 hour period. All test samples successfully passed and therefore conform to the following conditions:

- Dust tight - No ingress of dust, complete protection against contact with dust.
- Immersion beyond 1 meter - Suitable for continuous immersion in water, under conditions specified by **SEA CON (europe) Ltd**.

