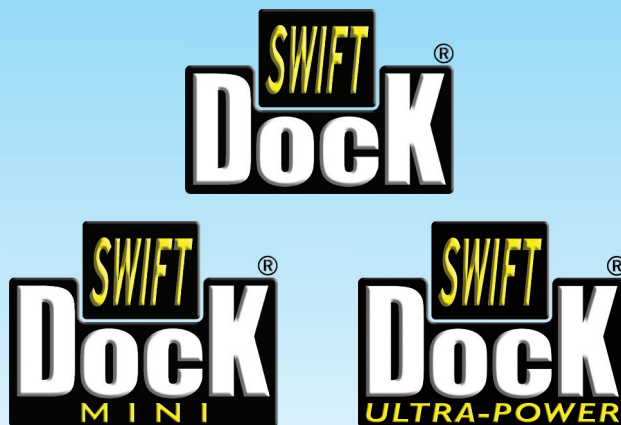


# Frequently asked questions for

## Swift-Dock, Swift-Dock-Mini & Swift-Dock-Ultra-Power



**Do you offer assemblies with more than 6 pins?** No, although multiple pin arrays of greater than six pins can be achieved using several Swift-Dock assemblies or by building your own array using individual spring contacts and lands.

**Are other spring pressures available?** Yes, we have spring contacts with lighter springs for SD-MINI (3 mm), SD-ULTRA-POWER and heavier springs for Swift-Dock (7mm). Please contact us for more details.

**What is the ideal gap between the polycarbonate assemblies whilst docked?** The ideal gap is 1.5 to 1.0mm. Too little compression or a large gap may cause electrical instability and affect the contact integrity.

**Are the Swift-Dock interface assemblies waterproof or airtight?** No, we would consider them to be dustproof and splash proof only.

**Can the assembly be made to be waterproof?** We do not recommend allowing the spring contact assembly to get wet. Liquid ingress could introduce solid material inside the spring cavity. It is best to use the spring contact side in the dock side of the instrument. The land assembly is better suited to use on the portable/outside part of the machine. The land assembly can be made to be more water resistant by use of suitable sealing from the back. We recommend potting compound or liquid silicone sealer.

**What is their IP rating?** Swift-Dock does not have an IP rating as it really depends upon the product which it has been designed into. However, we estimate that an IP rating of 50 could be obtained without using a gasket. IP55 could be obtained by using the gasket option. However if a higher rating is required, a potting compound or liquid silicone sealant can be applied to the back of the assembly, so that ratings of IP67 can be approached.

**Are they rated to UL94V-2?** Yes

**Are they RoHS compliant?** Yes

**What is the maximum operating temperature range of Swift-Dock interface assemblies?** The maximum temperature is 150°C.

**How do they cope with vibration?** They can withstand a certain amount of light vibration. However, strong or specific vibration can cause early wear and/or electrical disconnects so we strongly recommend thoroughly testing the spring contact interface as part of your approval process to prevent later problems in the field.

**Can the assemblies be used in sliding or angled approach?** Yes, with care. Wear of the plated surfaces is always a concern.

**Are there variants of the standard Swift-Dock range available?**

Yes:

- Light or heavy spring options: In both Swift-Dock, SD-Ultra and SD-Mini.
- High current spring contacts mixed with signal pins: (Swift-Dock only)
- Other colours of the polycarbonate moulding other than black can be supplied for volumes of greater than 1000 units.

**Are the components used within Swift-Dock available separately?** Yes, please check out the related product section at the bottom of each Swift-Dock product page.