Heavy duty devices that work in extreme wet conditions
Arrow Hart pin and sleeve devices are made with sturdy nylon construction and a rugged design with corrosion resistant components for lasting electrical performance. Watertight sealing provides IP69K protection so you can feel confident in even the most severe washdown environments.

**15° Angled pin & sleeve receptacles features:**
- Angled 15° for strain relief
- Sturdy nylon construction, rugged design
- Watertight to IP67 per IEC60529 & IP69K to DIN 40050 Part 9
- Available in select 60A and 100A configurations
- Nickel plated contacts
- Classified to IEC60309-1 and IEC60309-2
- cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1

**IP69K testing**

**What does IP69K testing mean to you**
The IP69K rating is designed to tackle high pressure, high temperature washdown applications. The "6" applies to external protection from dust. The "9" signifies protection from close-range high pressure spray downs, and the "K" applies to the high temperature of the water used. Arrow Hart’s new pin & sleeve devices are designed to face some of the most severe operating conditions, often in the most challenging environments making them ideal for a wide range of markets, including food and beverage, mining, and industrial facilities.

**How IP69K testing works**
To obtain an IP69K protection rating – a strong water jet is directed at the device from 4 directions and to achieve the rating it must not have any harmful effects. A jet nozzle at 0°, 30°, 60° and 90° to the rotating table at 176°F, 4–6 inches away at 1160–1450psi. The test time is 2 minutes.

**IP69K test**
Water Temperature = 176°F (80°C)

1. The IP69K standard requires the water pressure to be between 1160-1450 psi, at a rate of about 4 gallons/minute, and at the temperature of 176°F
2. The nozzle from which the water is sprayed is between 4 and 6 inches from device
3. Spray is applied at angles of 0°, 30°, 60°, and 90° for duration of 30 seconds at each angle, while the product is rotated at 5 RPM
4. IP69K ratings mean product is dust tight and protected against effects of high pressure, high temperature liquids

After testing, water must not be present inside the device.

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