

Arrow Hart
IP69K Angled pin & sleeve receptacles

Heavy duty devices
that work in extreme
wet conditions

Arrow Hart



EATON

Powering Business Worldwide

Arrow Hart IP69K Angled pin & sleeve receptacles

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
certified



AH560R9W-15

AH5100R7W-15

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

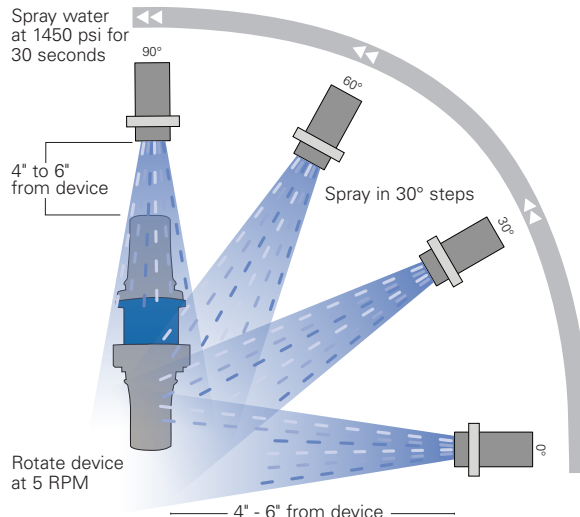
To obtain an IP69K protection rating – a strong water jet is directed at the device from 4 directions and to achieve the rating it must not have any harmful effects. A jet nozzle at 0°, 30°, 60° and 90° to the rotating table at 176°F, 4–6 inches away at 1160–1450psi. The test time is 2 minutes.

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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