



ARROW/HART™



Pin & Sleeve Devices

IP69K Certified

IP69K Pin & Sleeve Devices



Industry's first that is designed to address high pressure, high temperature washdown applications

Arrow Hart's new pin and sleeve devices are unlike other brands - our devices are the industry's first to offer IP69K rated protection.

Each device has been carefully engineered to offer reliability, efficiency, and added safety protection in demanding wet locations and where harsh washdowns are a must!

Arrow Hart's new pin and sleeve devices are made of specially selected, engineered nylons to provide optimum strength and impact resistance. They are designed with nickel plated pins and contacts for long life and corrosion protection. The individual silicone sealing grommets with cord diameter indicators saves time and ensures an ideal fit by allowing end users to quickly and easily select the appropriate cord size. For added efficiency, they also include a threaded NPT cable entry which provides an efficient means of attaching flexible conduit or wire mesh grips.

Not only do Arrow Hart pin and sleeve devices offer increased efficiency, they also include an integrated lockout hole on the plugs for added safety.

Additional features include convenient Tri-Combo hardware that accepts a slotted, Phillips or Robertson screwdriver as well as an inlet and receptacle mounting footprint that allows for interchangeability with many major brands.

IP69K Testing

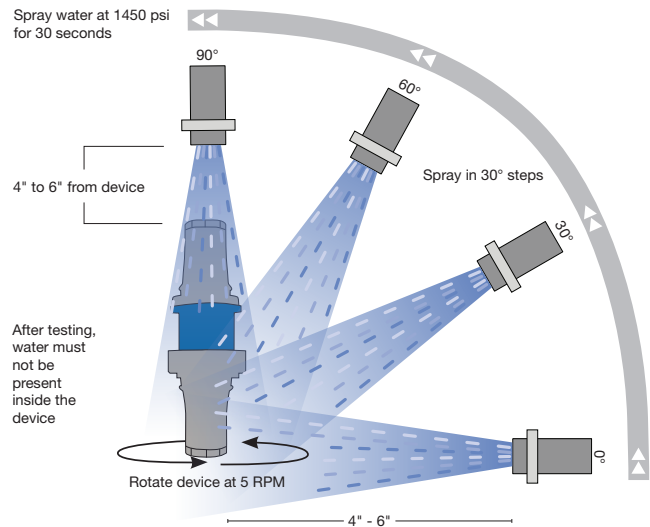
The IP69K test was designed specifically for rating protection against a high-pressure jet stream (1160 to 1450 psi), high liquid temperature (176°F) and close nozzle distances (4" to 6") from the enclosure surface.

What does IP69K Testing Mean to You

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.

IP69K Test

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.



- 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

IEC 309 Pin & Sleeve Comparison

	ARROW/HART™	Competitor 1	Competitor 2	Competitor 3	Competitor 4
IP69K Rating	✓	✗	✗	✗	✗
Quick Removal NPT Threaded Cord Grip	✓	✗	✗	✗	✓
Nickle Plated Pins	✓	✗	✓	✗	✓
Nickle Plated Contacts	✓	✗	✓	✗	✗
Individual Grommets	✓	✓	✓	✗	✗
Cable Diameter Indication on Grommets	✓	✗	✗	✗	✗
Tri-Combo Hardware	✓	✗	✗	✗	✗
Lockout Hole on Plug	✓	✓	✗	✗	✗

Specifications and availability are subject to change without notice.