16A & 32A IEC 309
Watertight pin & sleeve devices

Product Description - International
16A & 32A;
2-pole, 3-wire grounding;
3-pole, 4-wire grounding;
4-pole, 5-wire grounding

Pin & sleeve plugs features & benefits
• Mechanical cord clamp with silicone rubber grommet seal and locking screw ensures a positive and watertight strain relief system
• Tri-combo cord grip screws for convenience
• Durable impact resistant thermoplastic body
• Color-coded front housing for easy and accurate identification of voltages
• Oversized grounding pin assures mating only with oversized female grounding sleeve; staggered contact to ensure ground makes first and breaks last
• Engineered thermoplastic material improves cold impact performance
• Spring-loaded self-closing cap with silicone rubber gasket protects contacts when not in use. Watertight cap meets IP67 and IP69K protection standards
• Rugged materials selected for use in wet locations; provides corrosion resistance
• Standard mounting footprints and blind holes provide interchangeability with major brands
• Nickel plated pins offer long life corrosion protection
• Pins fully shrouded for mechanical protection; lockout hole for plugs
• Threaded NPT cable entry provides efficient means of attaching flexible conduit or wire mesh grips
• Tapered wiring pockets to ease insertion of stranded wire; deep pockets with clear markings keep bare conductors isolated

Compliances, specifications and availability are subject to change without notice.
Applications

The industry’s first pin & sleeve devices that are designed to address high pressure, high temperature washdown applications. Arrow Hart’s 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, particularly where harsh washdowns are a must!
**EATON**

**www.arrowhart.com**

**Technical Data**

Effective November 2014

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### Table 3. Specifications

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<tbody>
<tr>
<td><strong>Testing &amp; code compliance</strong></td>
<td>Base device: Classified to IEC standards 60309-1 and 60309-2</td>
<td>Base device: Classified to IEC standards 60309-1 and 60309-2</td>
<td>Base device: Classified to IEC standards 60309-1 and 60309-2</td>
<td>Base device: Classified to IEC standards 60309-1 and 60309-2</td>
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<tr>
<td><strong>Environmental specifications</strong></td>
<td>Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers)</td>
<td>Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers)</td>
<td>Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers)</td>
<td>Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers)</td>
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<td>Protection: Watertight to IP67 per IEC 60529 &amp; IP69K to DIN 40050 Part 9</td>
<td>Protection: Watertight to IP67 per IEC 60529 &amp; IP69K to DIN 40050 Part 9</td>
<td>Protection: Watertight to IP67 per IEC 60529 &amp; IP69K to DIN 40050 Part 9</td>
<td>Protection: Watertight to IP67 per IEC 60529 &amp; IP69K to DIN 40050 Part 9</td>
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### Table 4. Materials

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<td><strong>Housing &amp; flange</strong></td>
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<td>Nylon PA6-GF30</td>
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Compliances, specifications and availability are subject to change without notice.
Product Dimensions
16A Receptacles, Front, Side & Back Views

Figure 1. 16A 2-P, 3-W Receptacles, Front, Side & Back Views

Figure 2. 16A 3-P, 4-W Receptacles, Front, Side & Back Views

Figure 3. 16A 4-P, 5-W Receptacles, Front, Side & Back Views
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Product Dimensions

16A Plugs

Figure 4. 16A 2-P, 3-W Plugs

Figure 5. 16A 3-P, 4-W Plugs

16A Connectors

Figure 7. 16A 2-P, 3-W Underside & Side View Connectors

Figure 8. 16A 3-P, 4-W Underside & Side View Connectors

Figure 9. 16A 4-P, 5-W Underside & Side View Connectors
Product Dimensions

16A Inlets

Figure 10. 16A 2-P, 3-W Front, Side & Back View Inlets

Figure 11. 16A 3-P, 4-W Front, Side & Back View Inlets

Figure 12. 16A 4-P, 5-W Front, Side & Back View Inlets
**16A & 32A IEC 309**  
**Watertight pin & sleeve devices**

Project Name:  
Prepared By:  
Project Number:  
Date:  
Catalog Number:  
Type:  

## Product Dimensions

### 32A Receptacles

![Figure 13. 32A 2-P, 3-W & 3-P, 4-W Receptacles, Front, Side & Back Views](image1)

![Figure 14. 32A 4-P, 5-W Receptacles, Front, Side & Back Views](image2)

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Product Dimensions

32A Plugs

Figure 15. 32A 2-P, 3-W & 3-P, 4-W Plugs

32A Connectors

Figure 17. 32A 2-P, 3-W & 3-P, 4-W Underside & Side View Connectors

32A Inlets

Figure 19. 32A 2-P, 3-W & 3-P, 4, Front, Side & Back View Inlets

Figure 16. 32A 4-P, 5-W Plugs

Figure 18. 32A 4-P, 5-W Underside & Side View Connectors

Figure 20. 32A 4-P, 5-W Front, Side & Back View Inlets
### 16A & 32A IEC 309

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**Certifications & Compliances**

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**KEY:** IEC

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