Amphenol®

Amphe-309

With continued commitment to leading the industry in power connectors and providing the most complete high quality interconnect solutions, Amphenol is honored to introduce a new generation of IEC-309 connectors, the Amphe-309. This series includes plugs, connectors, receptacles, inlet, and mechanical interlocks, all of which comply with the requirements of IEC 603 09-1 & 2, EN 60 309-1 & 2, BS 4343-2 1992, and UL 1682 & 1686.

The Amphe-309 consists of both IP44 and IP67 devices from 16 A up to 125 A, from a simple plug to customer specified combination units. The series range covers all clock positions in use from low profile, watertight, and Heavy Duty solutions.

Approved and certified by CE, UL, CSA and CCC, Amphe-309 covers commercial and industrial applications for international markets, as well as, the North American market.

Features:

- Plug, receptacle, connector, inlet and mechanical interlock
- IP 44, IP 67
- 16A to 125A, up to 690V
- Low voltage <50V available
- Low profile, and Heavy Duty options
- Various termination options
- Cable, surface and panel mounted types with straight and angled options
- UL, CAS, CE, CCC certified
- ATEX version available (See Data Sheet EX309 IDS-92)
- Custom Amphe-309 cable assemblies

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The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain “clock” position, the device will be rated for a particular voltage system.

### International Rating

<table>
<thead>
<tr>
<th>Number of Wires</th>
<th>Amperage</th>
<th>Female Grounding Positions</th>
<th>P+N+E, 2P+E</th>
<th>3P+E</th>
<th>3P+N+E</th>
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<td>2P+E</td>
<td>16A</td>
<td>16</td>
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<td>50-600V AC, 400Hz</td>
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<td>3P+E</td>
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### North American Rating

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<th>3P+N+E</th>
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<td>Not applicable</td>
<td>50-600V AC, 400Hz</td>
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<tr>
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<td>50-600V AC, 400Hz</td>
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<tr>
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<td>Not applicable</td>
<td>50-600V AC, 400Hz</td>
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### Applications:

- Domestic Electric
- Construction Sites
- Data Center & Server Industry
- Commercial and Agricultural Installations
- Lighting and Audio Power
- Camp Grounds