



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.

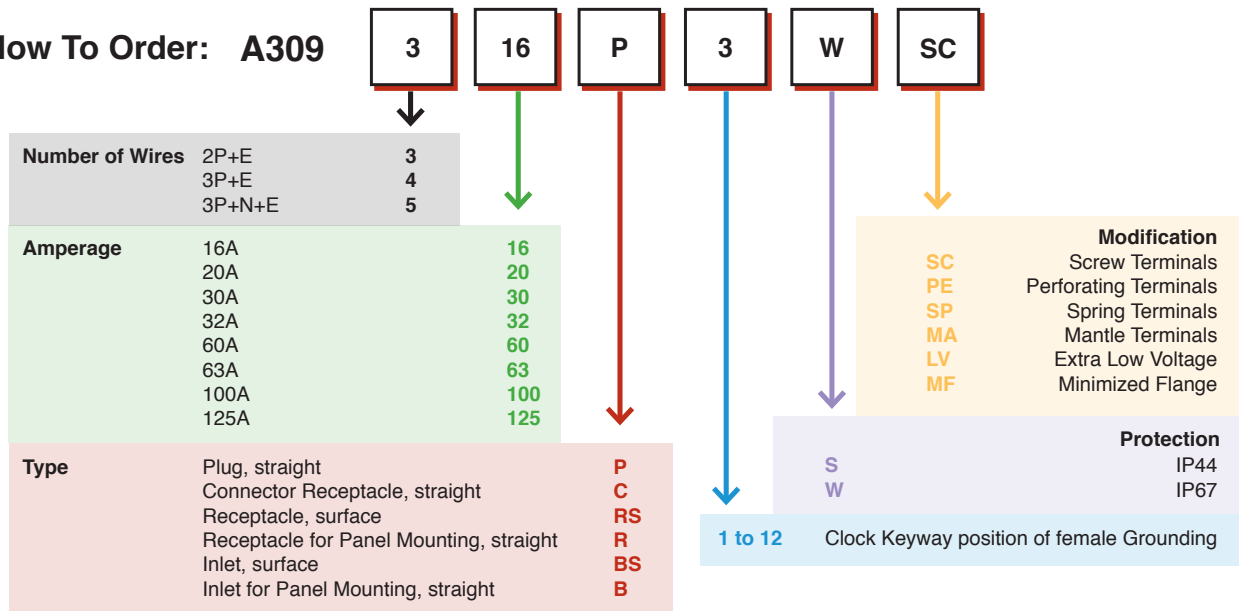
Approved and certified by CE, UL, CSA and CCC, Amphe-309 covers commercial and industrial applications for international markets, as well as, the North American market.

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



How To Order: A309



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

North American Rating

P+N+E, 2P+E	3P+E	3P+N+E	Female Grounding Positions	P+N+E, 2P+E	3P+E	3P+N+E
Optional voltage (not stated below)			1h	Not applicable		
>50V AC, 300-500Hz			2h	Not applicable	Not applicable	50-600V AC, 400Hz
50-250V DC	380V AC 50Hz 440V AC 60Hz	220V AC 50Hz, 380 AC 50Hz 250V AC 60Hz, 440 AC 60Hz	3h	250V DC	380V AC 50Hz 440V AC 60Hz	Not applicable
100-130V AC 50/60Hz		57-75V AC 100-130V AC	4h	125V AC	Not applicable	Not applicable
277V AC 60Hz	600-690V AC 50/60Hz	347-400V AC 50/60Hz 600-690V AC 50/60Hz	5h	277V AC	3Ø600V AC	3ØY347/600V AC
200-250V AC 50/60Hz	380-415V AC 50/60Hz	200-240V AC 50/60Hz 346-415V AC 50/60Hz	6h	250V AC	Not applicable	Not applicable
480-500V AC 50/60Hz		277-288V AC 50/60Hz 480-500V AC 50/60Hz	7h	480V AC	3Ø480V AC	3ØY277/480V AC
250V DC	Not applicable	Not applicable	8h	Not applicable	Not applicable	Not applicable
380-415V AC 50/60Hz	200-250V AC 50/60Hz	120-144V AC 50/60Hz 208-250V AC 50/60Hz	9h	Not applicable	3Ø250V AC	3ØY120/208V AC
Not applicable	>50V AC, 100-300Hz	Not applicable	10h	Not applicable	Not applicable	Not applicable
Not applicable	440-460V AC 60Hz	256-265V AC 60Hz 440-460V AC 60Hz	11h	Not applicable	Not applicable	Not applicable
Supply for isolating transformer	Supply for isolating transformer	Not applicable	12h	Not applicable	125/250V AC 2P+N+E	Not applicable

Applications:

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

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

For further information on your individual application requirements, contact: Amphenol Corporation

North America:
Amphenol Industrial Operations
180 N. Freepoint Drive, Plant 4
Nogales, AZ 85621
Tel: (888) 364-9011
Fax: (520) 285-5134

Europe:
Amphenol Industrial Operations Europe
Via Barbaiana 5
1-20020 Lainate (MI) Italy
Tel: +39 02 93254.204
Fax: +39 02 93254.444

Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9 716-7422494
Fax: +9 716-7422941

Asia:
Amphenol Technology (Zhuhai) Co., Ltd.
No. 63 Xing Han Road, San Zao Town
Jin Wan District, Zhuhai City, China 519040
Tel: +86 756-3989760
Fax: +86 756-3989768

Email: tech@amphenol-aio.com

Email: info@amphenol-aio.com

Email: jhussain@amphenol-industrial.com

Email: enquiry@amphenol-aio.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[A309420R9W](#) [A309430P7S](#) [A3094100B7W](#) [A309460P12W](#) [A309320P5W](#) [A309460P9W](#) [A309530R7S](#)
[A309420R12S](#) [A309420P6W](#) [A309430R9W](#) [A3095100C9W](#) [A309330C7W](#) [A309530P7S](#) [A309420C5S](#)
[A309320B7S](#) [A3095100B7W](#) [A309430C5S](#) [A309330C4W](#) [A309320R5S](#) [A309320P4W](#) [A309330P4W](#) [A309420B6S](#)
[A309530P5W](#) [A309420B12S](#) [A309430B7S](#) [A309330R6S](#) [A309330C4S](#) [A309430C9S](#) [A309420R7S](#) [A309560P6W](#)
[A309430B5S](#) [A3093100P6W](#) [A3095100B6W](#) [A309530P5S](#) [A309520P7W](#) [A309530C5S](#) [A309320P4S](#)
[A309420C12W](#) [A309560C9W](#) [A3095100R9W](#) [A309430C7W](#) [A309320P6S](#) [A309420C5W](#) [A309430B12S](#)
[A309520R5W](#) [A309360C6W](#) [A309520P9S](#) [A3094100C5W](#) [A309420B5W](#) [A309530R5S](#) [A309560B9W](#)
[A309330R4W](#) [A3095100C5W](#) [A309320R7S](#) [A309460B12W](#) [A3095100P9W](#) [A309560R9W](#) [A309520B6W](#)
[A309520B9S](#) [A309330P6W](#) [A309330P6S](#) [A309430C12S](#) [A3094100R5W](#) [A309460P5W](#) [A309530P9S](#)
[A309360R5W](#) [A309460R12W](#) [A309320B5S](#) [A309460B9W](#) [A309320P6W](#) [A309.570.90163](#) [A309430R5S](#)
[A309530P9W](#) [A309420B6W](#) [A309530B5W](#) [A309420C7S](#) [A309530B6W](#) [A309.570.9125](#) [A309560R5W](#)
[A309520P7S](#) [A3094100B6W](#) [A309430P9S](#) [A309330B4W](#) [A309432C3W](#) [A309320B5W](#) [A309460C9W](#)
[A309430C5W](#) [A309430R12W](#) [A309420P9S](#) [A309330C7S](#) [A309520P5W](#) [A309530B6S](#) [A3095100R7W](#)
[A3094100C7W](#) [A309430C9W](#) [A309420R5W](#) [A309420B12W](#) [A3093100B6W](#) [A309360P5W](#) [A309330B7S](#)