

Amphenol®



Amphe-309

Amphe-309 connectors are a series of industrial power connectors built per IEC 60309-1 and -2. Amphe-309 provides safe and reliable portable electrical connections in commercial and light industrial environments subject to temperature extremes, vibration, impact, dirt, moisture, corrosive elements and washdowns. To enhance operator safety, the products have a positive locking feature that stops accidental withdrawal or insertion of the pin while under load, plus a color-coding system that matches amperage and voltage requirements.

Features:

- Nylon Construction, High impact and corrosion resistance
- Directly interchangeable with other IEC 309 connectors
- CE Certified
- Distinct color coding for voltages to ensure proper mating.
- ROHS Compliant
- Water Proof
- Screw Termination; easy field installation without special tools.

Material Specifications:

- | | |
|---------------------------|---------------------|
| • Shells and Inserts: | Thermoplastic |
| • Contacts: | Nickel Plated Brass |
| • Spring cover: | Thermoplastic |
| • Interior Strain Relief: | Thermoplastic |
| • Assembly Screws: | Steel (Zinc Coated) |
| • Terminal Screws: | Brass |
| • Mating Gasket: | Neoprene |

Technical Data

- Operating Temperature -25 °C to +40 °C
- Water Proof IP44 and IP67
- Current Range 16A to 125A
- Frequency 50-60HZ/100-500 HZ
- Working Voltage

110V-130V

220V-250V

380V-415V

- Voltage Identifications With the keyway at the bottom, the female ground contact will appear at one of the twelve hour positions. Grounding contacts positions and hour location of the female connector or receptacle ground contact identify voltage of the connectors.



Splashproof Plugs and Receptacles



Waterproof Plugs and Receptacles

Part Numbers and Dimensions

Type	Part Number	Current	Voltage	Pole	Ground Contact position
Plugs Splash Proof	CCN309-013-00	16A	220V-250VAC	2P+G	6h
	CCN309-014-00		380V-450VAC	3P+N	6h
	CCN309-015-00		380V-450VAC	3P+N+G	6h
	CCN309-023-00	32A	220V-250VAC	2P+G	6h
	CCN309-024-00		380V-450VAC	3P+G	6h
	CCN309-025-00		380V-450VAC	3P+N+G	6h
Plugs Waterproof	CCN309-131-00	16A	220V-250VAC	2P+G	6h
	CCN309-141-00		380V-450VAC	3P+G	6h
	CCN309-151-00		380V-450VAC	3P+N+G	6h
	CCN309-231-00	32A	220V-250VAC	2P+G	6h
	CCN309-241-00		380V-450VAC	3P+G	6h
	CCN309-251-00		380V-450VAC	3P+N+G	6h
	CCN309-331-00	63A	220V-250VAC	2P+G	6h
	CCN309-341-00		380V-450VAC	3P+G	6h
	CCN309-351-00		380V-450VAC	3P+N+G	6h
Panel Mounted, Type I receptacles Splash Proof	CCN309-413-00	16A	220V-250VAC	2P+G	6h
	CCN309-414-00		380V-450VAC	3P+G	6h
	CCN309-415-00		380V-450VAC	3P+N+G	6h
	CCN309-423-04	32A	110V-130VAC	2P+G	4h
	CCN309-423-00		220V-250VAC	2P+G	6h
	CCN309-424-00		380V-450VAC	3P+G	6h
Panel Mounted, Type I receptacles Water Proof	CCN309-425-00	32A	380V-450VAC	3P+N+G	6h
	CCN309-4131-00		220V-250VAC	2P+G	6h
	CCN309-4141-00	16A	380V-450VAC	3P+G	6h
	CCN309-4151-00		380V-450VAC	3P+N+G	6h
	CCN309-4231-00	32A	220V-250VAC	2P+G	6h
	CCN309-4241-00		380V-450VAC	3P+G	6h
	CCN309-4251-00		380V-450VAC	3P+N+G	6h
	CCN309-4331-00	63A	220V-250VAC	2P+G	6h
	CCN309-4341-00		380V-450VAC	3P+G	6h
	CCN309-4351-00		380V-450VAC	3P+N+G	6h
	CCN309-4431-00	125A	110V-130VAC	2P+G	6h
	CCN309-4441-00		220V-250VAC	2P+G	6h
	CCN309-4451-00		380V-450VAC	3P+G	6h
Panel Mounted, Type II receptacles Splash Proof	CCN309-313-00	16A	220V-250VAC	2P+G	6h
	CCN309-314-00		380V-450VAC	3P+G	6h
	CCN309-315-00		380V-450VAC	3P+N+G	6h
	CCN309-323-00	32A	220V-250VAC	2P+G	6h
	CCN309-324-00		380V-450VAC	3P+G	6h
Panel Mounted, Type II receptacles Water Proof	CCN309-325-00	32A	380V-450VAC	3P+N+G	6h
	CCN309-3331-00	63A	380V-450VAC	2P+G	6h
	CCN309-3341-00		380V-450VAC	3P+G	6h
Panel Angle Mounted receptacles Splash Proof	CCN309-3351-00		380V-450VAC	3P+N+G	6h
	CNN309-313-00	16A	220V-250VAC	2P+G	6h
	CNN309-314-00		380V-450VAC	3P+G	6h
	CNN309-315-00		380V-450VAC	3P+N+G	6h
	CNN309-323-00	32A	220V-250VAC	2P+G	6h
	CNN309-324-00		380V-450VAC	3P+G	6h
Panel Angle Mounted receptacles Water Proof	CNN309-325-00	32A	380V-450VAC	3P+N+G	6h
	CNN309-3331-00	63A	380V-450VAC	2P+G	6h
	CNN309-3341-00		380V-450VAC	3P+G	6h
	CNN309-3351-00		380V-450VAC	3P+N+G	6h

The information contained in this data sheet is for reference only.

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