

Amphenol®



Amphenol® NEPTUNE® Rugged Environment Connector

Amphenol Industrial Operations introduces a new UL® LISTED power connector family. The new NEPTUNE® connector series is designed to perform in the most demanding environments.

NEPTUNE® incorporates our time tested Starline family contact technology. The NEPTUNE series is a major improvement over the existing power connectors used in the market today. NEPTUNE offers a significant weight, space and mounting footprint reduction over our competition. UL® Listed amperage ratings include 30, 60, 100, 150 and 200 options, with 3 and 4 contact options available. NEPTUNE also offers a complete arrangement of back-shells that allows the user flexibility in their mounting choices. From straight plugs and panel mount receptacles, to inline receptacles and angle mounting options, NEPTUNE provides choices that were absent in the market previously.

Features:

- 30 Amp through 200 Amp/600 Volt inserts available
- Decreased weight & panel layout compared to the competition
- Double lead Acme threads for easy coupling
- Machined contacts designed for longer life/mating cycles
- Three key design to limit cross-mating
- Machined aluminum dust cap for environmental protection
- Plugs utilize mechanical clamp strain relief
- VFD rated inserts
- U.L. Approved

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NEPTUNE® PRODUCT SPECIFICATIONS

- Machined aluminum components heat resistant to 750° F
- Titanium colored Anodic plating
- Nickel Silver Alloy plated contacts
- Operating Temperature rated to -67° F to +225° F
- IP 68-8
- Resistant to 60 G's; Vibration exceeds Mil-STD-167-1



NEPTUNE CODE LOGIC

		Receptacle Part Number	Mating Plug Part Number	Min/Max Wire Size
30amps	2w3p	NR-3023	NPE-3023	#10-#14
	3w3p	NR-3033	NPE-3033	#10-#14
	3w4p	NR-3034	NPE-3034	#10-#14
	4w4p	NR-3044	NPE-3044	#10-#14
	4w5p	NR-3045*	NPE-3045*	#10-#14
60 amps	2w3p	NR-6023	NPE-6023	#4-#8
	3w3p	NR-6033	NPE-6033	#4-#8
	3w4p	NR-6034	NPE-6034	#4-#8
	4w4p	NR-6044	NPE-6044	#4-#8
	4w5p	NR-6045*	NPE-6045*	#4-#8
100 amps	3w4p	NR-10034	NPE-10034	1/0-#2
	4w4p	NR-10044	NPE-10044	1/0-#2
	4w5p	NR-10045*	NPE-10045*	1/0-#2
150 amps	3w4p	NR-15034	NPE-10034	1/0-#2
	4w4p	NR-15044	NPE-15044	1/0-#2
	4w5p	NR-15045*	NPE-15045*	1/0-#2
200 amps	3w4p	NR-20034	NPE-20034	4/0-2/0
	4w4p	NR-20044	NPE-20044	4/0-2/0
	4w5p	NR-20045*	NPE-20045*	4/0-2/0

***UL Approval Pending**

All receptacles are supplied with threaded environmental dust cap

All plugs are supplied with mechanical clamp backshell and sealing grommets

All plugs are supplied less cover, however, are available as separate component

Markets:

- Oil Exploration Equipment
- Convention Center Power Distribution
- Geophysical Trucks and Skids
- Portable Power Distribution Equipment
- Production Platforms
- Communication Shelters

Additional catalogs of interest:

- Star-line® & Star-line EX® Harsh Environment Connectors, please ask for Catalog 12-054
- Amphe-Power® family of connectors with RADSOX® Technology, please ask for Catalog SL-391

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

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