



Amphenol

NEW: Amphe-SP3 Connectors

Amphenol's IP67-Rated Connector Reduces Mating Mistakes

March 2012 - Amphenol has expanded its line of rugged connectors with the IP67-rated Amphe-SP3. The new connector is designed with 90- and 120-color and keyway positions of different polarity to ensure safety during operation by reducing mating mistakes.

This single-pole plastic power connector is ideal for environmental high power applications, including those used in smart grid power, UPS for industrial applications, outdoor power supply, control systems, hybrid and electric vehicles, heavy equipment, and factory automation.



The Amphe-SP3 features Amphenol's patented RADSOK technology that uses a hyperbolic stamped grid configuration providing a large coaxial, face-to-face surface area engagement to maximize heat dissipation and reduce failures. This results in a correspondingly low voltage drop and low temperature rise, as well as lower insertion forces. This combination enables the Amphe-SP3 to be used in higher current applications at a given temperature, and provides a longer service life.

Compact, lightweight, and cost-effective, the Amphe-SP3 features a molded thermoplastic housing and insert with rubber seals as well as integrated waterproof cable glands that enable it to fit into smaller spaces. This rugged connector is finger-proof in unmated applications, minimizing the user's risk of shock.

The Amphe-SP3 uses silver-plated 5.7mm RADSOK crimp-termination contacts and carries a current up to 120 amps.

The connector's maximum operating voltage is 600 volts AC with a contact resistance of 5 million-ohms. Its minimum insulation resistance is 5,000 mega-ohms at 25°C. The Amphe-SP3 can withstand up to 500 mating cycles at temperatures ranging from -40°C to +125°C, salt fog spray to NaCl 5% for 1,000 hours, as well as shock and vibration of 980 m/s.

DOWNLOAD

Download complete Catalogue or Tech. Specifications from our website: www.bce.it

(March, 2012)

B.C.E. S.r.l. - Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy

Tel: (+39) 0536 811616

Fax: (+39) 0536 811500

E-mail: bce@bce.it

Web: www.bce.it