APC Series Connectors



Overview

APC Series expansion continues Amphenol Industrial Operations'' commitment to delivering lightweight, cost-effective circular connector solutions for today''s industrial equipment.

Key Takeaways

APC Series Connectors are rugged, lightweight circular connectors designed for industrial power, signal, and hybrid applications with IP67 protection and fast-mating capabilities.

Overview

The AP

C Series from Amphenol delivers a versatile connector solution for industrial environments, combining durable plastic shells, fast and repeatable coupling, and environmental sealing when mated. These connectors are engineered to support both power and signal requirements in a compact, lightweight circular format, making them easier to handle than heavier metal alternatives.

Key Features

Environmental Protection: IP67-rated when mated, suitable for dust, moisture, and vibration exposure. Temperature Range: Operates from -40°C to +105°C. Durability: Supports up to 500 mating cycles depending on the application.

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Coupling Mechanisms: Options include triple-start ACME threads, double-start threads, and bayonet styles, providing fast-mating and self-locking capabilities. Materials: Plastic resin with UL94 V-0 flammability rating and F1-rated UV resistance, suitable for indoor and outdoor use. Current Ratings: Up to 30 A, supporting standard, compact, and higher-power variants.

ApplicationsAPC Series Connectors are ideal for a wide range of industrial and commercial applications, including: Control cabinets and industrial equipmentTransportation systems and outdoor enclosuresLighting and HVAC controlsPower distribution and hybrid signal/power systems Variants and AccessoriesThe series offers standard, compact, and high-power variants, allowing engineers to standardize connector interfaces across multiple programs while optimizing installation time and long-term maintenance. Accessories include panel-mount and cable-mount options, back shells, protective caps, and strain relief components to simplify installation and service.

Advantages

Lightweight and rugged: Easier handling and reduced connector weightFast installation: Repeatable mating and self-locking threadsFlexible design: Supports multiple power and signal configurationsLong service life: High durability in demanding industrial environments APC Series Connectors provide a scalable, reliable, and cost-effective solution for engineers seeking consistent electrical performance and simplified sourcing across diverse industrial applications.

Article Content

APC Series Expansion | New Circular Connector Options

APC Series expansion continues Amphenol Industrial Operations'' commitment to delivering lightweight, cost-effective circular connector solutions for today''s industrial equipment. This latest

APC Series | Lightweight Power & IP67 Fast-Mating

APC Series connector solutions are designed to give engineers flexibility at both the panel and cable level. Available configurations support power-only, signal-only, and mixed-layout requirements,

APC Connectors

With current ratings up to 30 A and support for power, signal, and hybrid layouts, APC series connectors are a strong choice for control cabinets,

APC Series

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It supports power, signal, and hybrid arrangements, ensuring high performance in demanding environments with UL94 V-0 flammability and IP67 protection. These

APC, UPC, PC Fiber Connector Types Comparison and

APC connector is the most widely used fiber connector type today. “APC” stands for Angled Physical Connect. The angle of the ferrule end face is

Amphenol APC Series Circular Connectors – Mouser

Amphenol APC Series Circular Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Amphenol APC Series Circular Connectors.

APC SERIES CONNECTOR Specifications

CONNECTOR Specifications CONNECTOR The 1/4" flow APC Series couplings feature a plastic thumb latch, fewer moving parts and a smooth contoured design to deliver ease-of-use a. d excellent flow in

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This plant specializes in the design and manufacturing of industrial connectors featuring high power, high density, medium to high voltage electrical properties, and harsh environment applications.

APC Connectors | Valved Couplings & Fittings | CPC

The patented APC Series has been expanded to include couplings with valves and thumb latch shrouds. A more rugged design on some models adds durability to increase the APC''s application range. APC

APC Series | Lightweight Power & IP67 Fast-Mating

APC Series connector delivers fast-mating, lightweight circular power and signal connectivity with IP67 options and variants for compact and high-power needs.

APC Series Expansion

The APC Series connectors come with a triple-start ACME thread for fast coupling, stamped and formed contacts, and a self-locking mechanism. This design ensures not only ease of

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APC Standard Series APC Standard series has a plastic shell and rugged design, targeted for industrial power and signal applications with advantages of light weight, high environmental resistance, and

Amphenol APC Series RF Adapters

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Amphenol APC Series RF Adapters - In Series are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Amphenol APC Series RF Adapters - In Series.

APC Series RF Interconnects – Mouser

APC Series RF Interconnects are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for APC Series RF Interconnects.

APC Series Circular Shell Connectors | TTI Europe

Amphenol Industrial APC Series Circular Shell Connectors feature lightweight thermoplastic housing offering high resistance to corrosion, impact, and environmental exposure. These connectors use a

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APC Series BACKGROUND Circular connectors are widely used in general duty and environmental applications for various markets. Amphenol industrial has been manufacturing metallic circular

APC Series Expansion: Enhanced Designs for Modern Industrial

This APC Series expansion marks a major step forward in delivering cost-effective, fast-coupling circular connectors engineered for today''s high-volume industrial and energy applications.

Circular Plastic Shell Connector from Amphenol Reduces Installation

Endicott, N.Y. May 2023 – Amphenol Industrial Operations, a global leader in interconnect systems, now offers a circular connector with a plastic shell that can be used in industrial power and signal

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