

Interconnect Solutions  
Cannon, VEAM, BIW

Global Design & Manufacturing   
Customer Support

Saving 40% in total cost of ownership  
by enabling 30% faster assembly time  
**CA Industrial  
Bayonet Connectors**  
with Stamped Contacts



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### Europe & Middle East

### Asia

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## Proven Bayonet Design – 100% Coupling Security

Over prior decades Cannon delivered more than 5 million of our leading CA Bayonet connectors to the marketplace. Incorporating a robust design, developed in accordance with the German VG95234 specification, this interconnect is widely regarded as the most versatile and highest reliable connector series among MIL-C-5015 and VG95234 connectors worldwide.

Building upon this solid legacy, the CA Industrial Bayonet represents the latest iteration upon the proven CA Connector platform. Incorporating the best price to performance ratio of the product series, the CA Industrial Bayonet does not sacrifice on performance. The CA Industrial Bayonet utilizes the proven bayonet coupling design, enabling easy connection and disconnection, while offering exceptional vibration resistance and sealing against fluids up to IP69K.



## CA Industrial Bayonet – Featuring Innovative Stamped Contact Design

Addressing the needs of the global marketplace for a competitively positioned MIL-C-5015 and VG95234 interconnect, the CA Industrial Bayonet blends the appropriate technologies to provide the optimum price to performance ratio. The CA Industrial

Bayonet incorporates a hard insulator body (UL certified plastic material), stamped contacts, and the optimized Cannon Universal Shielded End Bell to provide a competitively positioned connector offering.



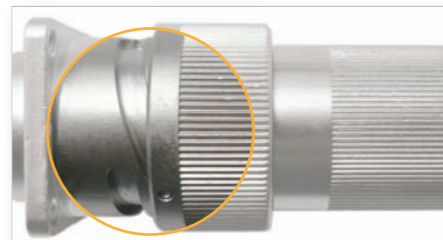
Cannon designed hard insulators are manufactured from high quality polyamide to withstand temperatures from -55C to +125C (-67F to +257F) and enable easy installing / uninstalling of contacts.



Tin (optional gold) plated APK25 stamped power contacts accommodate wires from 0.5 to 4.0 mm<sup>2</sup> (AWG 20 - 12), perform up to 30 amps, and can be installed without any tools.



Tin (optional gold) plated Trident T2P stamped signal contacts accommodate wires from 0.14 to 2.5 mm<sup>2</sup> (AWG 26 - 14), perform up to 16 amps, and can be installed without any tools.

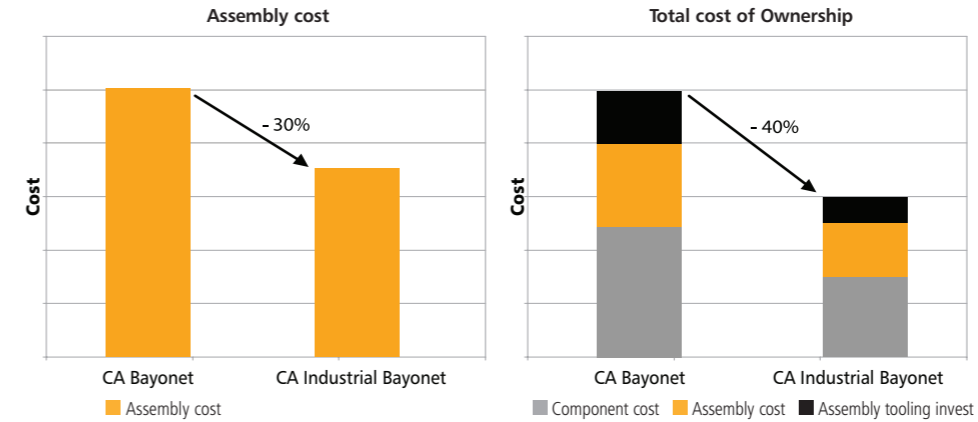


Legendary Cannon bayonet coupling design allows for fast and easy mating and unmating. An audible sound and visual indication, realized by a color marked snap-in position indicator, offer additional coupling security and vibration resistance up to 20 g's.



Cannon's patented Universal Shielded End Bell provides outstanding strain relief, simplified harnessing, and environmental protection against high-pressure and steam cleaning to IP69K.

## 30% Faster Assembly – 40% Reduction in Total Cost of Ownership



## Achieving the Perfect Blend of Affordability with Legendary Performance

Initially designed for aircraft and airborne applications, CA Bayonet connectors now find usage in many commercial applications including trucks, off-road vehicles, ships, earth-moving equipment, telecommunications equipment, and other rugged outdoor applications. Understanding our customer's need for a competitive commercial product, without sacrificing the Cannon reliability and harsh environment legacy, ITT ICS pioneered the perfect blend of performance and affordability. Melding the historically proven Trident and APK contact systems with our noted CA Bayonet connector series provided the perfect

mixture of reliability, technology, and affordability. The new ITT CA Industrial Bayonet allows for substantial reductions in assembly times and non-value added processes while leveraging the reliability of the CA Bayonet series products.

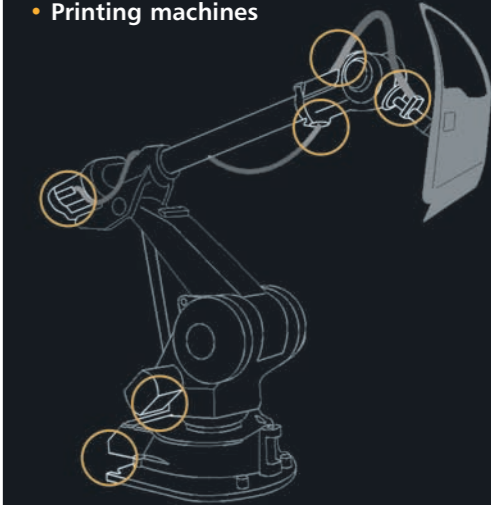
Partnered with ITT ICS's pioneering engineering capability and globally deployed manufacturing excellence, we welcome the opportunity to support you in reaching your aggressive product goals without abandoning our trusted performance.



► For more specifications please see: [www.ittcannon.com](http://www.ittcannon.com)

## APPLICATIONS

- Industrial electronics
- Coin handling machines
  - Power Supply
  - Signal Transfer
  - Sensor Interfaces
- Manufacturing equipment
- Communication equipment
- Robotic systems
- Test equipment
- Electric busses
- Agricultural machinery
- Cooling/heating systems
- Lighting
- Measuring instruments
- Control systems
- Printing machines



Precise handling and extraordinary performance due to reliable power & signal connections.

## WHY INNOVATIVE CUSTOMERS CHOOSE ITT

- **Innovative use of stamped contacts** eliminating the need for tooling when using the Trident T2P and APK25 contacts and providing a lower total cost of ownership due to faster assembly and negating of insertion tool investment.
- **Incorporation of reeled contacts** providing easier handling at higher quantities, reducing set-up times, and eliminating non-value added work during assembly.
- **Multiple shell styles, accessories, and hybrid (power & signal) contact layouts** allowing easy adaptation to specific customer applications.
- **Proven Shell design coupled with decades of reliability experience with the Trident T2P and APK 25 stamped contacts** ensuring high reliability in harsh environments and providing high degree of sealing.
- **Unique audiovisual bayonet coupling control** ensuring accurate and correct coupling in environmentally challenged situations.
- **Patented Universal Shielded End Bell with robust sealing capability** enabling safer transmission of signals and improved reliability over competitive products.



## THINK ABOUT ITT

Reliability, Innovation, and Engineered Solutions, these terms collectively describe ITT Interconnect Solutions and define a legacy of Interconnect Science spanning nearly a century, reflecting billions of quality products sold, and incorporating the three industry leading brands of Cannon,

VEAM, and BIW. Our Innovation Timeline uniquely defines a historical compendium of interconnect leadership spanning over 90 years and including many industry firsts; Audio Connectors, Aviation Circulares, D-Sub's, Micro's, fiber optic assemblies, Zero Insertion Force Technologies, and other advanced applications of Interconnect Science. When collaborating with a technology leader, choose a participant with documented trust, established through

multi-industry achievements as substantiated through the participation on every free world space mission, the creation of the first Mil / Spec interconnects, participation on the first talking movie, 100% reliability for over 45 years in Rail applications, and numerous additional achievements in major Military, Aerospace, Industrial, Medical, and Power markets. At ITT ICS, we truly are "Engineered for Life™." Think about ITT.

