



THE DATASHEET OF TBF20-22PS





**Interconnect Solutions
Cannon, VEAM, BIW**

Global Design & Manufacturing 
Customer Support 







Realizing an industry leading
500h salt spray and IP69k rating






CA Bayonet Connector



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Engineered for life

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.

The CA Bayonet has a proven bayonet coupling design, enabling easy connection and disconnection while offering exceptional vibration resistance and sealing against fluids.

Initially designed for aircraft and airborne applications, these rugged connectors now find usage in trucks, off-road vehicles, ships, earth-moving equipment, telecommunications equipment, and other rugged outdoor applications.



CA Bayonet – Blue Generation Environmental Robustness & Leading Quality in a Single Connector

Recognizing the customer driven need for higher sealing and RoHS compliant platings, ITT defined the "Blue Generation" with its revised CA Bayonet connectors. These connectors excel in their harsh environment performance by exceeding current CA specifications including the following:

- Sealing degree increase to IP69k
- Salt spray resistance to 500h
- RoHS compliant Zinc Nickel plating in an attractive blue/grey metallic finish

WHY INNOVATIVE CUSTOMERS CHOOSE ITT

- Rugged shell design, anticorrosive plating, and decades of vibration experience with napkin (linguetta) contacts *defining high reliability in harsh environments.*
- Unique audiovisual bayonet coupling control *ensuring accurate and correct coupling in environmentally challenged situations.*
- Variety of shell styles and accessories, including 90 degree end bells *allowing for easy adaptation to customer specific applications.*
- Commonality of end bells and tooling with current CA Bayonet products *accommodating lower total cost of ownership.*
- Patented Universal Shielded End Bell with robust sealing capability *enabling safer transmission of signals and improved reliability over competitive products.*



Cannon designed insulators are manufactured from high quality polychloroprene to withstand temperatures from -55C to +125C (-67F to +257F) and provide sealing in the unmated condition.



RoHS compliant Zinc Nickel plating in an attractive blue/grey metallic finish ensures integrity against the most severe environmental conditions, including 500h salt spray.



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.



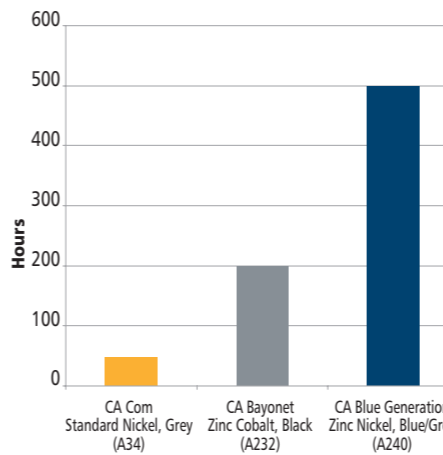
Cannon's patented Universal Shielded End Bell provides outstanding strain relief, simplified harnessing, and environmental protection against high-pressure and steam cleaning to IP69k.



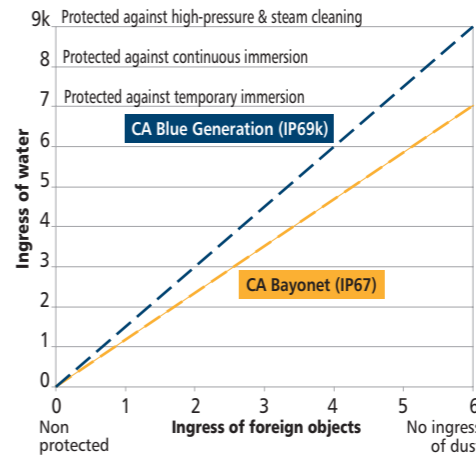
The CA Bayonet contacts incorporate copper alloy plated with a hard silver finish (optional gold) and guarantee at least 500 mating cycles. All solder contacts feature a special passivation to comply with RoHS requirements.

Harsher Environments – Better Performance – Blue Generation

Salt spray resistance with RoHS compliant platings



International protection ratings (IP) for IEC 529



Redefining Environmental Safety – Ensuring Environmental Robustness

Noting the increasing adoption of RoHS standards across multiple industries, ITT Interconnect Solutions adopted an aggressive and proactive stance to ensure the elimination of such materials as chrome 6, lead, and cadmium.

ITT ICS's CA Bayonet Blue Generation unites RoHS compliance and improved performance, as compared against our traditional

olive green plated non RoHS military products, while offering an attractive blue/grey connector plating. Partnered with ITT ICS's pioneering engineering capability and globally deployed manufacturing excellence, we welcome the opportunity to support you in reaching your ecological goals without abandoning your trusted performance.



► For more specifications please see: www.ittcannon.com



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,

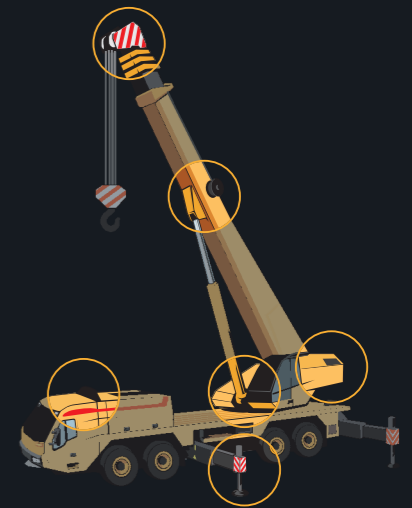
VEAM, and BIW. Our Innovation Timeline uniquely defines a historical compendium of interconnect leadership spanning over 90 years and including many industry firsts; Audio Connectors, Aviation Circulars, D-Sub's, Micro's, fiber optic assemblies, Zero Insertion Force Technologies, and other advanced applications 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.

APPLICATIONS

- Construction Equipment
 - Engine Firewall
 - Cab Signal Transfer
 - Power Transfer
- Industrial automation
- Sensor systems
- Conveyers
- Robotics
- Machine tools
- Engine control units
- Wind turbines
- Solar power
- Laser technology
- Garbage trucks
- Off road vehicles
- Winter service vehicles

Reliable sensor systems allowing safe operations at the highest levels.



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View TBF20-22PS on WIN SOURCE](#)

 [ITT Cannon, LLC Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management