



**THE DATASHEET OF
CAR3102R18-12S**





ITT Cannon CA Bayonet

Reverse Bayonet Connectors with Exceptional Shock and Vibration Resistance

A proven, versatile and high performance interconnect solution for all critical harsh environment applications.

Widely recognized as the most reliable and versatile series of VG95234 connectors available today, CA Bayonet delivers exceptional quality and performance – time and time again. The proven reverse bayonet coupling design allows for quick and simple mating and un-mating while delivering the ultimate in shock and vibration protection.

Best in class shielding performance, exceptional resistance to temperature extremes and contaminants, sealing up to IP69k, ease of assembly and a wide variety of RoHS compliant plating options ensures CA Bayonet is the ultimate choice whether it is for military vehicle, construction equipment, off road vehicle, rail or other rugged industrial applications.

CA Bayonet covers the complete range of VG95234 variants and the extended commercial portfolio is one of the widest and most diverse available. As the inventor and first manufacturer of this connector series you can rely on ITT Cannon to deliver the ultimate in performance - when it matters most.



The CANNON Difference:

- Global capabilities and local support
- Proven application expertise
- Over a century of interconnect leadership
- A committed innovator and business partner

Features:

- VG95234 approved
- Proven bayonet coupling design
- Ruggedized for harsh environment applications
- Extreme shock and vibration resistance
- Superior shielding performance
- Wide variety of shell sizes, layouts and accessories
- Available on short lead times from ITT Cannon's global partner network
- RoHS compliant plating options including
 - VG approved "J" plating, the 1:1 Cadmium replacement as defined by VG95234 standard (A241)
 - ITT Cannon's proprietary high performance Industrial Blue Generation plating

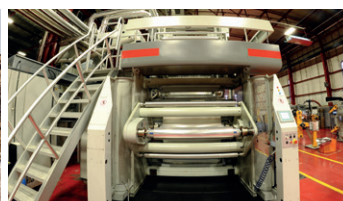
Applications



MILITARY VEHICLES



HEAVY EQUIPMENT



INDUSTRIAL



RAIL

Key Data	
Coupling Mechanism	Reverse Bayonet
Shell Sizes	#10SL to #36
Number of Layouts	140
Housing	Robust Aluminium
Insulators	Polychloroprene or FKM (up to 180° C)
Contact types	Crimp, solder and PCB. Silver / gold plated
Keying	Mechanical keying options
Styles	Cable to cable, cable to box, wall mount, PCB
Contact Sizes	AWG 26 to 0 or 0.14 to 50 mm ²
Max Current	up to 250A @ 60° C ambient temperature
Shell platings	- Cadmium (A66), VG approved, 500h / 5 days cyclic, salt spray, highly conductive - SnZn matt grey (A241), RoHS, VG approved, 500h / 5 days cyclic salt spray, highly conductive - ZnNi Blue Generation blue grey (A240) RoHS, 500h salt spray, highly conductive - ZnCo black (A232) RoHS, 200h salt spray
Sealing	Up to IP69k
Options	Backshells for PG, ME, shrink boot, conduit and cable clamp versions. Shielded, straight and 90° variants + further special versions
Accessories	Dust caps, Dummy receptacles
Approvals	VG95234



ITT Cannon's Blue Generation Plating

This ruggedized RoHS compliant industrial plating delivers an outstanding combination of extreme durability, conductivity and shielding performance.

- Salt spray resistance: 500 hours
- Shielding effect acc. VG 95373: >65 dB
- Conductivity: <10 mOhm
- Zinc nickel plating chemistry
- RoHS and REACH compliant



J Plating (A241)



Blue Generation Plating (A240)

Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions.

ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets. ITT's Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit us at ittcannon.com

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Looking for pricing, stock, or lifecycle information?

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Optimize Your Supply Chain with WIN SOURCE Solutions

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